FORM 3

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL							**1. WELL NAME and NUMBER** Bonanza 1023-15I4BS
2. TYPE OF WORK DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○							**3. FIELD OR WILDCAT** NATURAL BUTTES
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO							**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.							**7. OPERATOR PHONE** 720 929-6587
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217							**9. OPERATOR E-MAIL** mary.mondragon@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU 38427		**11. MINERAL OWNERSHIP** FEDERAL ◉ INDIAN ○ STATE ○ FEE ○					**12. SURFACE OWNERSHIP** FEDERAL ◉ INDIAN ○ STATE ○ FEE ○
13. NAME OF SURFACE OWNER (if box 12 = 'fee')							**14. SURFACE OWNER PHONE (if box 12 = 'fee')**
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')							**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ◉ (Submit Commingling Application) NO ○					**19. SLANT** VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○

20. LOCATION OF WELL	**FOOTAGES**	**QTR-QTR**	**SECTION**	**TOWNSHIP**	**RANGE**	**MERIDIAN**
LOCATION AT SURFACE	2194 FSL 359 FEL	NESE	15	10.0 S	23.0 E	S
Top of Uppermost Producing Zone	1915 FSL 620 FEL	NESE	15	10.0 S	23.0 E	S
At Total Depth	1915 FSL 620 FEL	NESE	15	10.0 S	23.0 E	S

21. COUNTY UINTAH	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 620	**23. NUMBER OF ACRES IN DRILLING UNIT** 640
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 520	**26. PROPOSED DEPTH** MD: 7916 TVD: 7880
27. ELEVATION - GROUND LEVEL 5605	**28. BOND NUMBER** WYB000291	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** Permit #43-8496

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ **WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER**	☑ **COMPLETE DRILLING PLAN**
☐ **AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)**	☐ **FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER**
☑ **DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)**	☑ **TOPOGRAPHICAL MAP**

NAME Danielle Piernot	**TITLE** Regulatory Analyst	**PHONE** 720 929-6156
SIGNATURE	**DATE** 09/11/2009	**EMAIL** danielle.piernot@anadarko.com

API NUMBER ASSIGNED 43047507430000	**APPROVAL**  Permit Manager

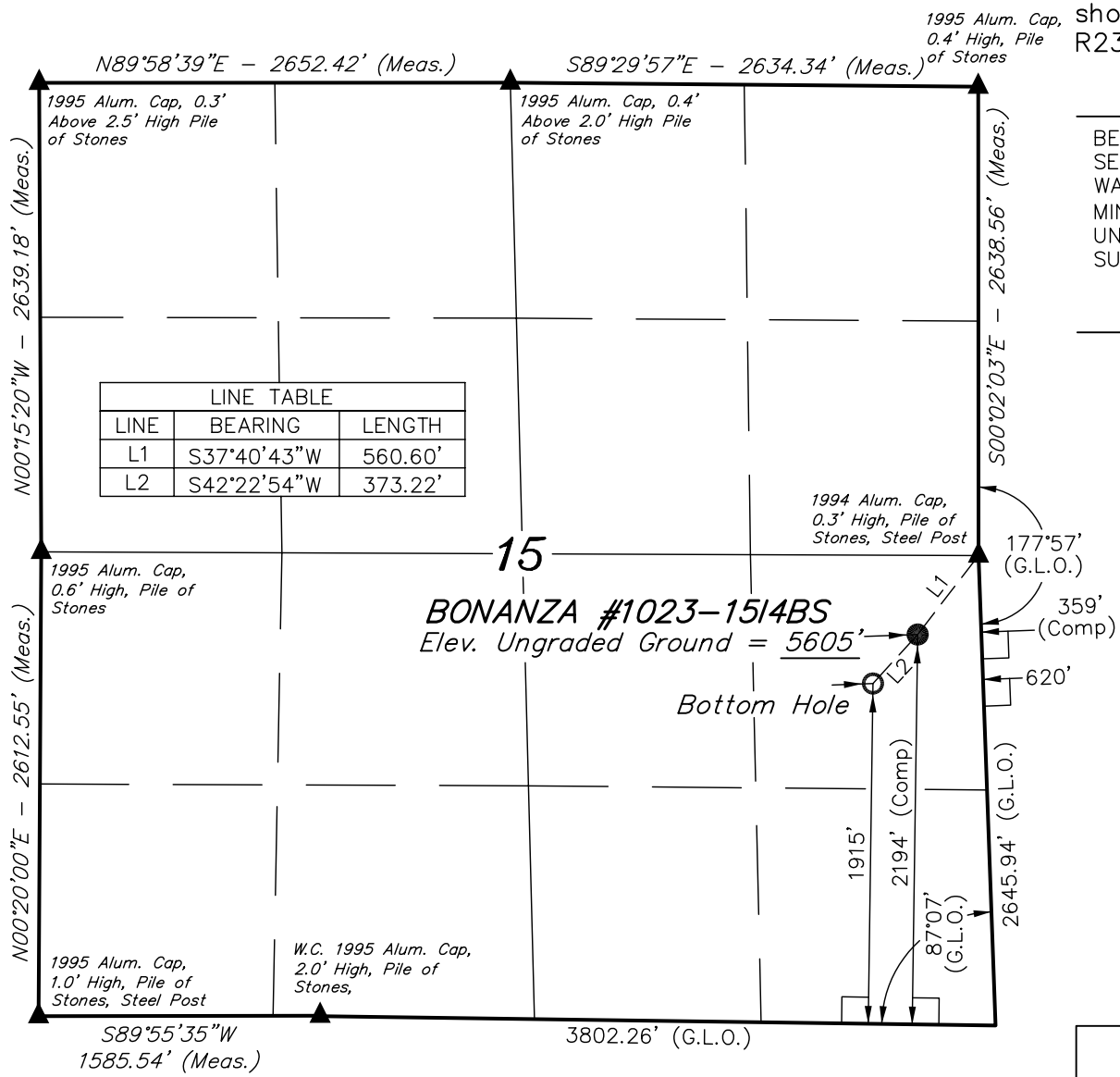
Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	7.875	4.5	0	7916		
Pipe	**Grade**	**Length**	**Weight**			
	Grade I-80 Buttress	7916	11.6			

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	12.25	9.625	0	2025		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	2025	36.0			

T10S, R23E, S.L.B.&M.

Kerr–McGee Oil & Gas Onshore LP

Well location, BONANZA #1023–15I4BS, located as shown in the NE 1/4 SE 1/4 of Section 15, T10S, R23E, S.L.B.&M., Uintah County, Utah.



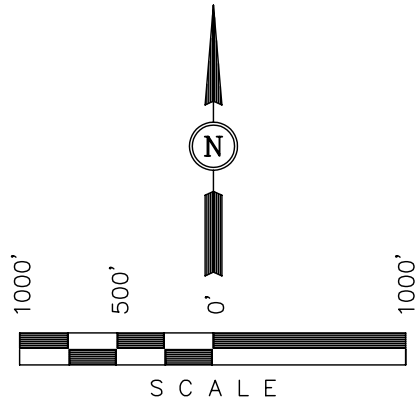
LINE TABLE		
LINE	BEARING	LENGTH
L1	S37°40'43"W	560.60'
L2	S42°22'54"W	373.22'

BASIS OF ELEVATION

BENCH MARK 58 EAM (1965) LOCATED IN THE NE 1/4 OF SECTION 30, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5132 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°56'49.23" (39.947008)	LATITUDE = 39°56'51.95" (39.947764)
LONGITUDE = 109°18'20.82" (109.305783)	LONGITUDE = 109°18'17.58" (109.304883)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 39°56'49.35" (39.947042)	LATITUDE = 39°56'52.07" (39.947797)
LONGITUDE = 109°18'18.39" (109.305108)	LONGITUDE = 109°18'15.15" (109.304208)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	02–23–09	02–25–09
PARTY D.K. D.C. S.P.	**REFERENCES** G.L.O. PLAT	
WEATHER COLD	**FILE** Kerr–McGee Oil & Gas Onshore LP	

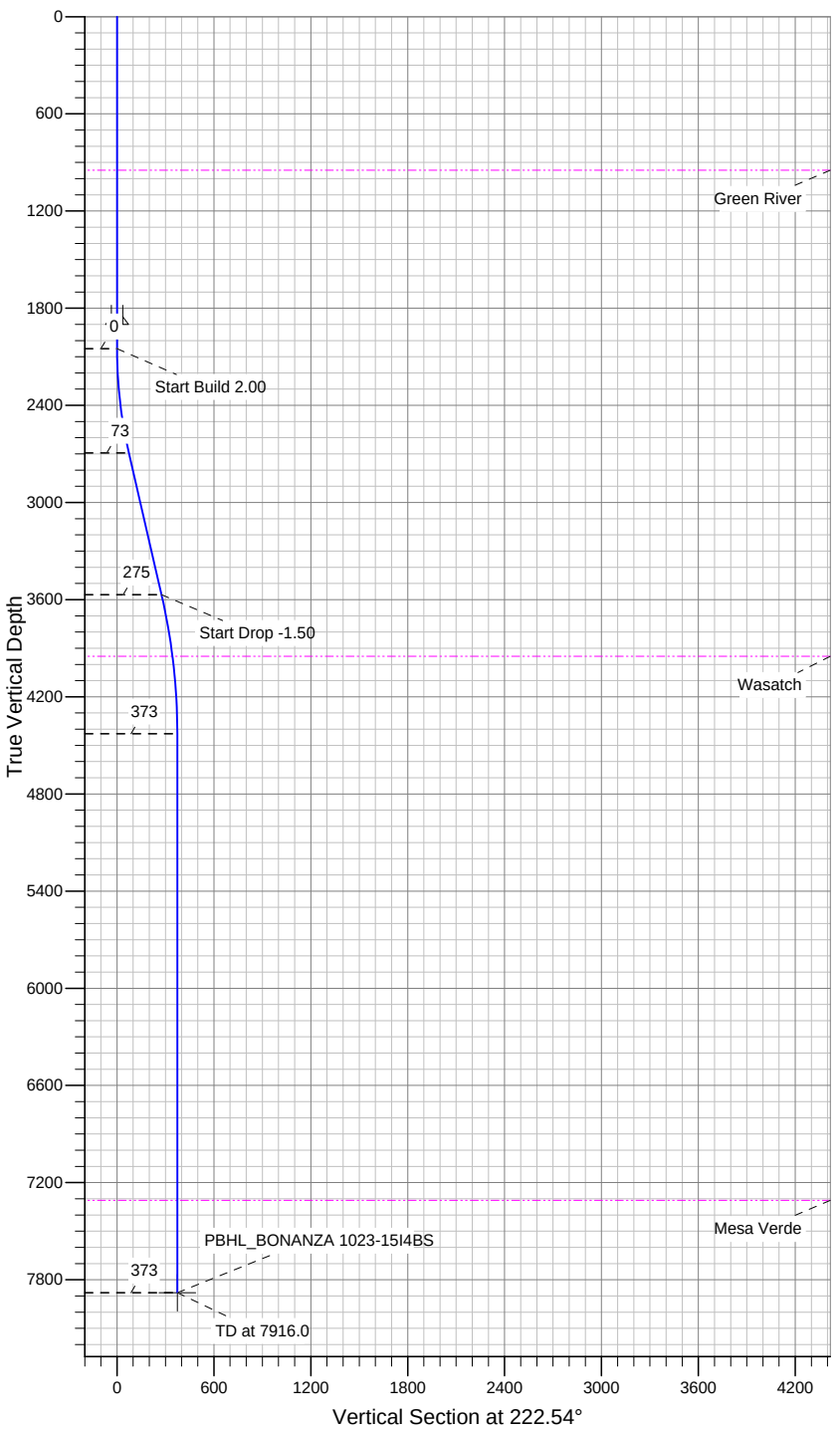
'APIWellNo:43047507430000'

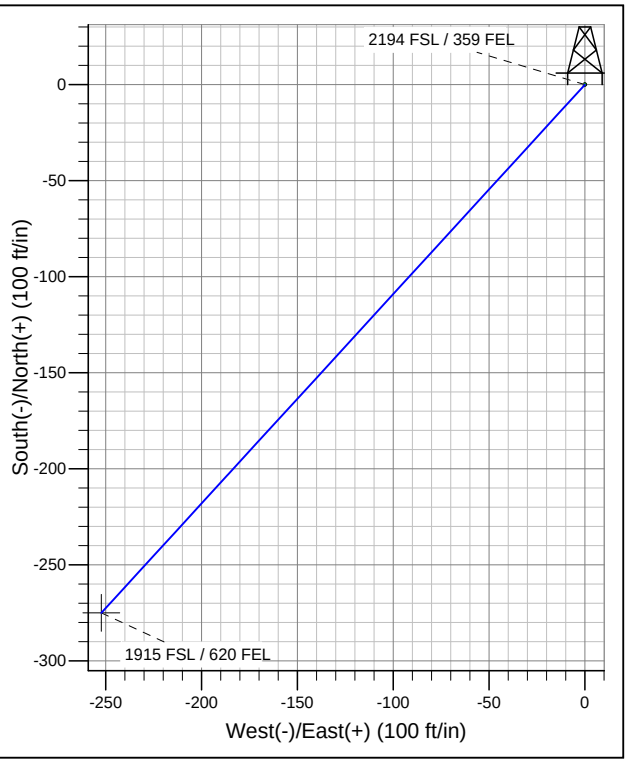
'APIWellNo:43047507430000'

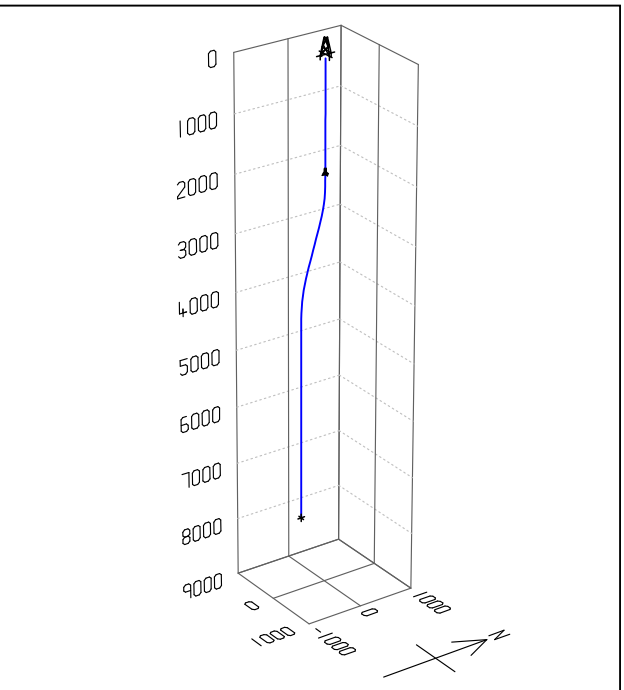
Anadarko Petroleum Corporation

Well Name: P_BONANZA 1023-15I4BS
Surface Location: UINTAH_BONANZA 1023-15I PAD
NAD 1927 (NADCON CONUS)US State Plane 1927 (Exact solution)
UTAH CENTRAL ZONE - 27
Ground Elevation: 5603.0

Northing	Easting	Latitude	Longitude
595586.69	2615541.13	39.947797°N	109.304208°W

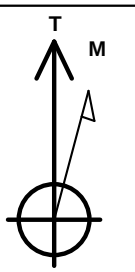






SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	2050.0	0.00	0.00	2050.0	0.0	0.0	0.00	0.00	0.0
3	2700.0	13.00	222.54	2694.4	-54.1	-49.6	2.00	222.54	73.4
4	3597.5	13.00	222.54	3568.9	-202.9	-186.1	0.00	0.00	275.3
5	4464.2	0.00	0.00	4428.2	-275.0	-252.3	1.50	180.00	373.2
6	7916.0	0.00	0.00	7880.0	-275.0	-252.3	0.00	0.00	373.2



Azimuths to True North
Magnetic North: 11.25°

Magnetic Field
Strength: 52565.8snT
Dip Angle: 65.93°
Date: 4/13/2009
Model: IGRF200510

ROCKIES - PLANNING

UTAH CENTRAL ZONE - 27
UINTAH_BONANZA 1023-15I PAD
P_BONANZA 1023-15I4BS
P_BONANZA 1023-15I4BS

Plan: Plan #1 04-13-09 ZJRA6

Standard Planning Report - Geographic

13 April, 2009

APC

Planning Report - Geographic

Database:	apc_edmp	**Local Co-ordinate Reference:**	Well P_BONANZA 1023-15I4BS
Company:	ROCKIES - PLANNING	**TVD Reference:**	WELL @ 5603.0ft (Original Well Elev)
Project:	UTAH CENTRAL ZONE - 27	**MD Reference:**	WELL @ 5603.0ft (Original Well Elev)
Site:	UINTAH_BONANZA 1023-15I PAD	**North Reference:**	True
Well:	P_BONANZA 1023-15I4BS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	P_BONANZA 1023-15I4BS		
Design:	Plan #1 04-13-09 ZJRA6		

Project UTAH CENTRAL ZONE - 27

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site UINTAH_BONANZA 1023-15I PAD

Site Position:		**Northing:**	595,601.23 ft	**Latitude:**	39.947833°N
From:	Lat/Long	**Easting:**	2,615,599.10 ft	**Longitude:**	109.304000°W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	1.41 °

Well P_BONANZA 1023-15I4BS

Well Position	**+N/-S**	0.0 ft	**Northing:**	595,586.69 ft	**Latitude:**	39.947797°N
	+E/-W	0.0 ft	**Easting:**	2,615,541.13 ft	**Longitude:**	109.304208°W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,603.0 ft

Wellbore P_BONANZA 1023-15I4BS

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	4/13/2009	11.25	65.93	52,566

Design Plan #1 04-13-09 ZJRA6

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	7,880.0	0.0	0.0	222.54

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,050.0	0.00	0.00	2,050.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,700.0	13.00	222.54	2,694.4	-54.1	-49.6	2.00	2.00	0.00	222.54	
3,597.5	13.00	222.54	3,568.9	-202.9	-186.1	0.00	0.00	0.00	0.00	
4,464.2	0.00	0.00	4,428.2	-275.0	-252.3	1.50	-1.50	0.00	180.00	
7,916.0	0.00	0.00	7,880.0	-275.0	-252.3	0.00	0.00	0.00	0.00	PBHL_BONANZA 1

APC

Planning Report - Geographic

Database:	apc_edmp	**Local Co-ordinate Reference:**	Well P_BONANZA 1023-15I4BS
Company:	ROCKIES - PLANNING	**TVD Reference:**	WELL @ 5603.0ft (Original Well Elev)
Project:	UTAH CENTRAL ZONE - 27	**MD Reference:**	WELL @ 5603.0ft (Original Well Elev)
Site:	UINTAH_BONANZA 1023-15I PAD	**North Reference:**	True
Well:	P_BONANZA 1023-15I4BS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	P_BONANZA 1023-15I4BS		
Design:	Plan #1 04-13-09 ZJRA6		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	595,586.69	2,615,541.13	39.947797°N	109.304208°W
948.0	0.00	0.00	948.0	0.0	0.0	595,586.69	2,615,541.13	39.947797°N	109.304208°W
Green River									
1,900.0	0.00	0.00	1,900.0	0.0	0.0	595,586.69	2,615,541.13	39.947797°N	109.304208°W
Surface Casing									
2,050.0	0.00	0.00	2,050.0	0.0	0.0	595,586.69	2,615,541.13	39.947797°N	109.304208°W
2,700.0	13.00	222.54	2,694.4	-54.1	-49.6	595,531.38	2,615,492.83	39.947648°N	109.304385°W
3,597.5	13.00	222.54	3,568.9	-202.9	-186.1	595,379.31	2,615,360.03	39.947240°N	109.304872°W
3,984.7	7.19	222.54	3,950.0	-252.9	-232.0	595,328.21	2,615,315.40	39.947103°N	109.305036°W
Wasatch									
4,464.2	0.00	0.00	4,428.2	-275.0	-252.3	595,305.58	2,615,295.63	39.947042°N	109.305108°W
7,346.0	0.00	0.00	7,310.0	-275.0	-252.3	595,305.58	2,615,295.63	39.947042°N	109.305108°W
Mesa Verde									
7,916.0	0.00	0.00	7,880.0	-275.0	-252.3	595,305.58	2,615,295.63	39.947042°N	109.305108°W

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL_BONANZA 10 - plan hits target center - Point	0.00	0.00	7,880.0	-275.0	-252.3	595,305.58	2,615,295.63	39.947042°N	109.305108°W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
1,900.0	1,900.0	Surface Casing	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
7,346.0	7,310.0	Mesa Verde		0.00	
948.0	948.0	Green River		0.00	
3,984.7	3,950.0	Wasatch		0.00	

Bonanza 1023-15I4BS
Pad: Bonanza 1023-15I
Surface: 2,194’ FSL 359’ FEL (NE/4SE/4)
BHL: 1,915’ FSL 620’ FEL (NE/4SE/4)
Sec. 15 T10S R23E

Uintah, Utah
Mineral Lease: UTU 38427

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. – 2. Estimated Tops of Important Geologic Markers:
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Formation	Depth	Resource
Uinta	0 – Surface	
Green River	948’	
Birds Nest	1,304’	Water
Mahogany	1,821’	Water
Wasatch	3,950’	Gas
Mesaverde	5,725’	Gas
MVU2	6,713’	Gas
MVL1	7,310’	Gas
TVD	7,880’	
TD	7,916’	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. Drilling Fluids Program:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 7,880' TVD, approximately equals 4,685 psi (calculated at 0.59 psi/foot).

Maximum anticipated surface pressure equals approximately 2,930 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.
Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements
The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements
Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements
Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Variance for FIT Requirements
KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). The air rig operation utilizes a 5M BOPE when drilling. This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion
The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.

'APIWellNo:43047507430000'

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	September 11, 2009	
WELL NAME	**Bonanza 1023-15I4BS**		TD	7,880' TVD	7,916' MD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,603'
SURFACE LOCATION	NE/4 SE/4	2,194' FSL	359' FEL	Sec 15 T 10S R 23E	
	Latitude:	39.947764	Longitude:	-109.304883	NAD 83
BTM HOLE LOCATION	NE/4 SE/4	1,915' FSL	620' FEL	Sec 15 T 10S R 23E	
	Latitude:	39.947008	Longitude:	-109.305783	NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		20'	14"		
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
	Green River @	948'			
	Top of Birds Nest @	1,304'			
	Mahogany @	1,821'			
	Preset f/ GL @	2,025' MD			
			7-7/8"	4-1/2" 11.6# I-80 or equivalent BTC csg	Water / Fresh Water Mud 8.3-11.6 ppg
	Wasatch @	3,950'			
	Mverde @	5,725' TVD			
	MVU2 @	6,713' TVD			
	MVU1 @	7,310' TVD			
	TD @	7,880' TVD 7,916' MD			

All water flows encountered while drilling will be reported to the appropriate agencies.

Note: 12.25" surface hole will usually be drilled ±400' below the lost circulation zone (aka bird's nest). Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.

Mud logging program TBD

Cased hole logging program from TD - surf csg

Max anticipated Mud required 11.6 ppg

'APIWellNo:43047507430000'

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3,520	2,020	453,000
SURFACE	9-5/8"	0 to 2,025	36.00	J-55	LTC	1.16	2.13	7.91
						7,780	6,350	278,000
PRODUCTION	4-1/2"	0 to 7,916	11.60	I-80	BTC	2.58	1.34	3.47

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 2,930 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 4,685 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	380	0%	15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
			Premium cmt + 2% CaCl				
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1,525'	65/35 Poz + 6% Gel + 10 pps gilsonite	360	35%	12.60	1.81
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,446'	Premium Lite II + 3% KCl + 0.25 pps	330	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,470'	50/50 Poz/G + 10% salt + 2% gel	1,100	40%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

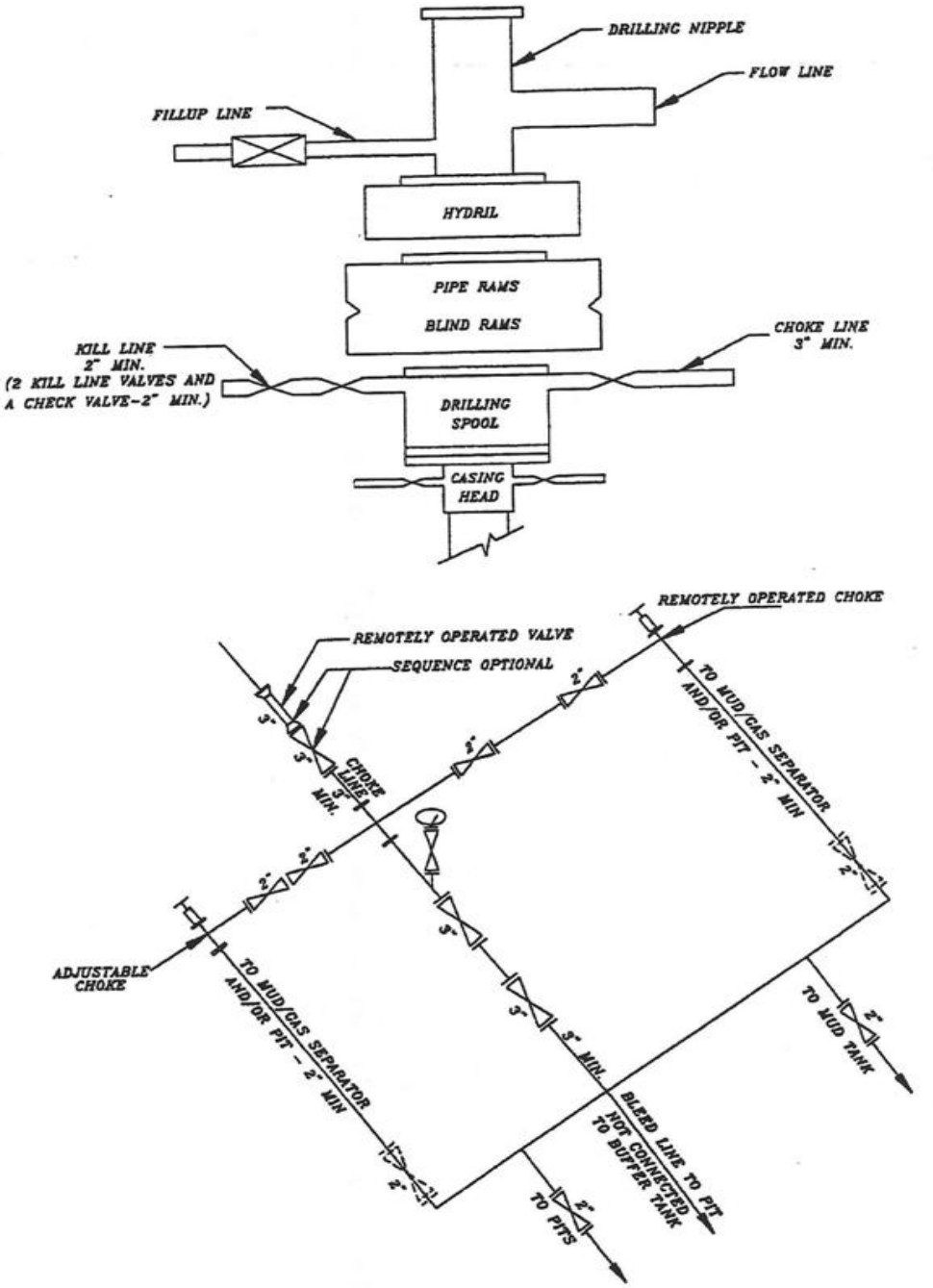
Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____
John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____
John Merkel / Lovel Young

EXHIBIT A
Bonanza 1023-15I4BS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

'APIWellNo:43047507430000'

Kerr–McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

BONANZA #1023–15H4CS, #1023–15I2AS, #1023–15I4BS & #1023–15P1BS

SECTION 15, T10S, R23E, S.L.B.&M.

NE 1/4 SE 1/4

Winds

Prevailing

SCALE: 1" = 50'
DATE: 02–25–09
Drawn By: S.P.

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

F–15.4'
El. 587.2'

F–6.9'
El. 595.7'

F–9.7'
El. 592.9'

Sta. 5+00

Existing Drainage

80'

Topsoil Stockpile

Reserve Pit Backfill & Spoils Stockpile

190'

240'

S42°22'54"W
373.22'

Existing Dryhole
SWD #3

N57°58'21"W
436.06'

S77°01'20"W
60'

Approx. Toe of Fill Slope

FLARE PIT

El. 607.5'
C–14.9'
(btm. pit)

C–5.6'
El. 608.2'

C–4.6'
El. 607.2'

20'

100'

S13°43'23"W
1157.75'

Blooie Line

70'

C–2.0'
El. 604.6'
I4BS

C–1.8'
El. 604.4'
I2AS

C–4.9'
El. 607.5'

C–1.8'
El. 604.4'
H4CS

20'

20'

20'

Existing Rehabed Pad

N20°14'12"W
669.13'

F–6.5'
El. 596.1'

Existing 6" Pipeline

RESERVE PITS
(10' Deep)

60'

160'

Sta. 1+90

C–2.2'
El. 604.8'
P1BS

310'

15' WIDE BENCH

250'

SLOPE 1 1/2 : 1

Approx. Top of Cut Slope

Existing Rehabed Access Road

Total Pit Capacity
W/2' of Freeboard
= 27,170 Bbls. ±
Total Pit Volume
= 7,430 Cu. Yds.

Sta. 1+00

Existing Drainage

Cut/Fill Transition Line

C–7.1'
El. 609.7'

C–4.5'
El. 607.1'

Round Corners as Needed

10'

15' WIDE BENCH

El. 613.2'
C–20.6'
(btm. pit)

C–6.9'
El. 609.5'

Pit Topsoil

Sta. 0+00

F–3.0'
El. 599.6'

Reserve Pit Backfill & Spoils Stockpile

Proposed Access Road

Existing Access Road

NOTE:
All Cut Around Well Heads is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t–99.

NAD 83 (EXIST. SWD #3)	
LATITUDE	= 39°56'51.81" (39.947725)
LONGITUDE	= 109°18'18.33" (109.305092)
NAD 27 (EXIST. SWD #3)	
LATITUDE	= 39°56'51.93" (39.947758)
LONGITUDE	= 109°18'15.90" (109.304417)

NOTES:

Elev. Ungraded Ground At #1023–15P1BS Loc. Stake = **5604.8'**

FINISHED GRADE ELEV. AT #1023–15P1BS LOC. STAKE = **5602.6'**

UINTAH ENGINEERING & LAND SURVEYING
*85 So. 200 East * Vernal, Utah 84078 * (435) 789–1017*

'APIWellNo:43047507430000'

Kerr–McGee Oil & Gas Onshore LP

TYPICAL CROSS SECTIONS FOR

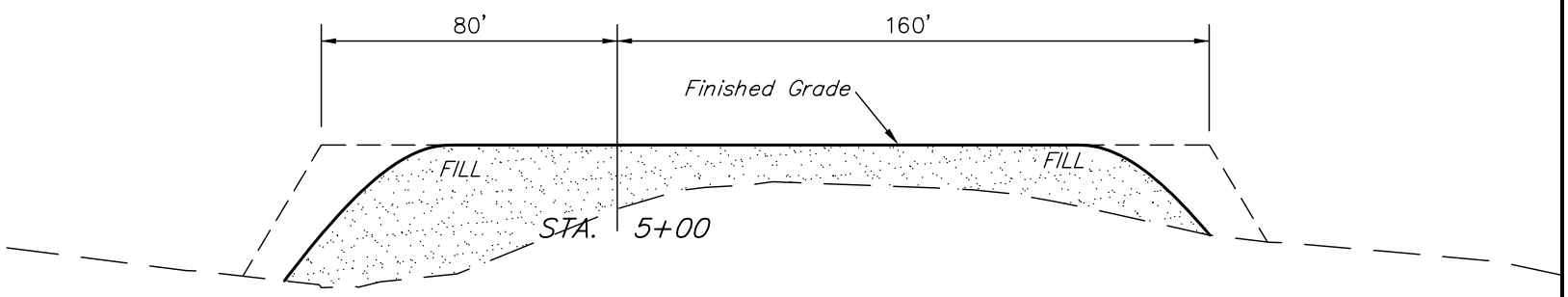
BONANZA #1023–15H4CS, #1023–15I2AS, #1023–15I4BS & #1023–15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.
NE 1/4 SE 1/4

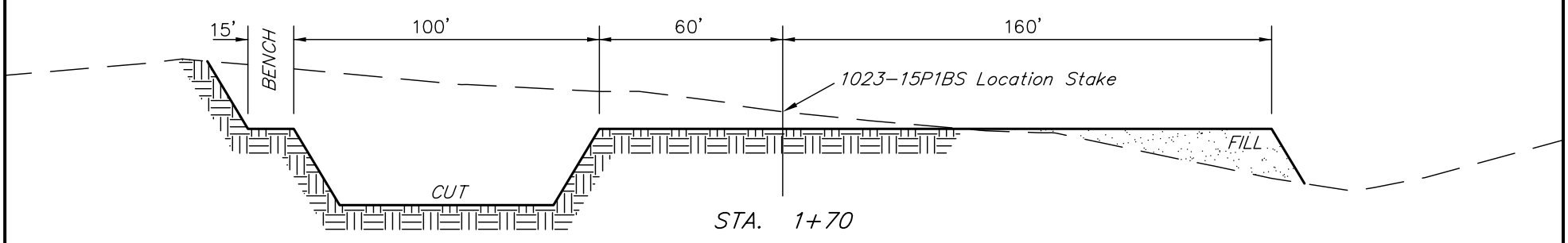
FIGURE #2

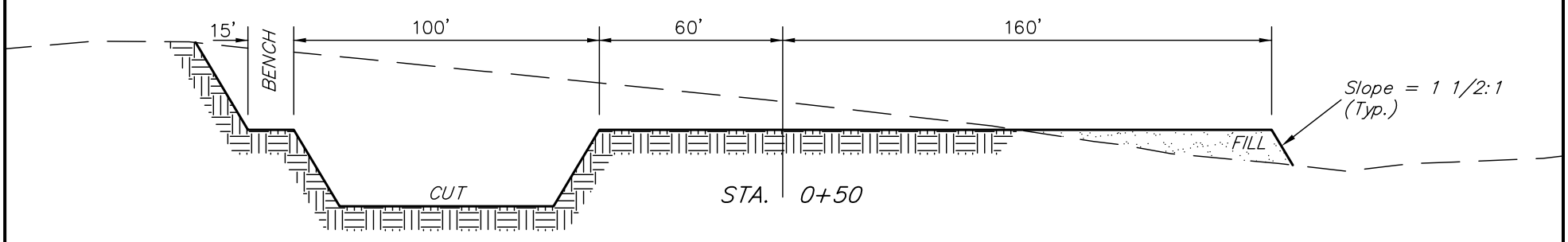
1" = 20'
X–Section Scale
1" = 50'

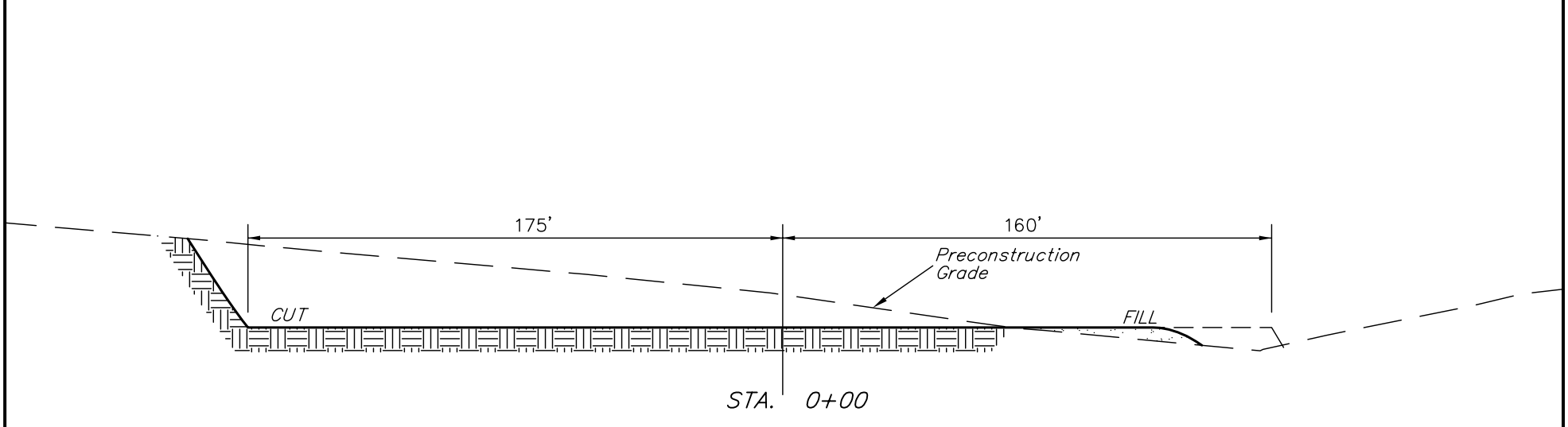
DATE: 02–25–09
Drawn By: S.P.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH









NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 4.405 ACRES
ACCESS ROAD DISTURBANCE = ± 0.150 ACRES
PIPELINE DISTURBANCE = ± 0.084 ACRES
TOTAL = ± 4.639 ACRES

* *NOTE:*
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = *3,120* Cu. Yds.
Remaining Location = *20,040* Cu. Yds.

TOTAL CUT = *23,160* CU.YDS.
FILL = *12,870* CU.YDS.

EXCESS MATERIAL = *10,290* Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = *6,840* Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = *3,450* Cu. Yds.

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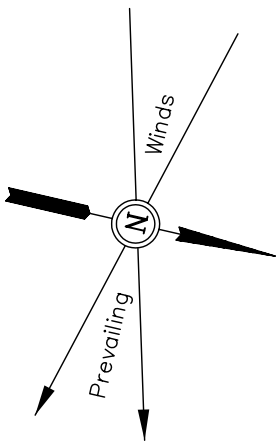
'APIWellNo:43047507430000'

Kerr-McGee Oil & Gas Onshore LP

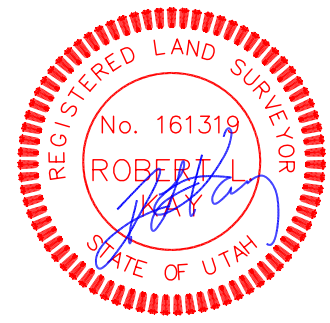
TYPICAL RIG LAYOUT FOR

BONANZA #1023-15H4CS, #1023-15I2AS, #1023-15I4BS & #1023-15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.
NE 1/4 SE 1/4

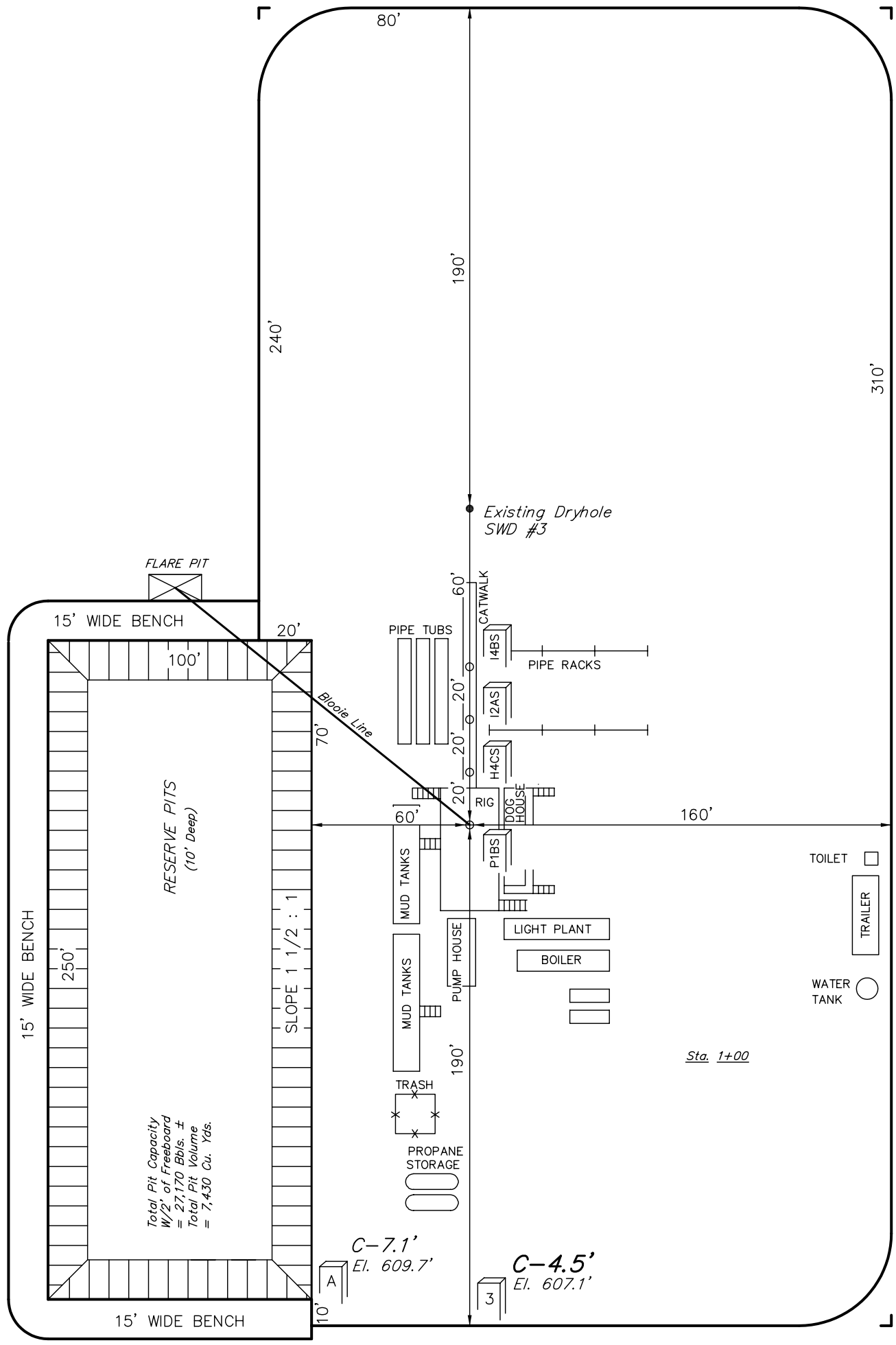
FIGURE #3



SCALE: 1" = 50'
DATE: 02-25-09
Drawn By: S.P.



NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.



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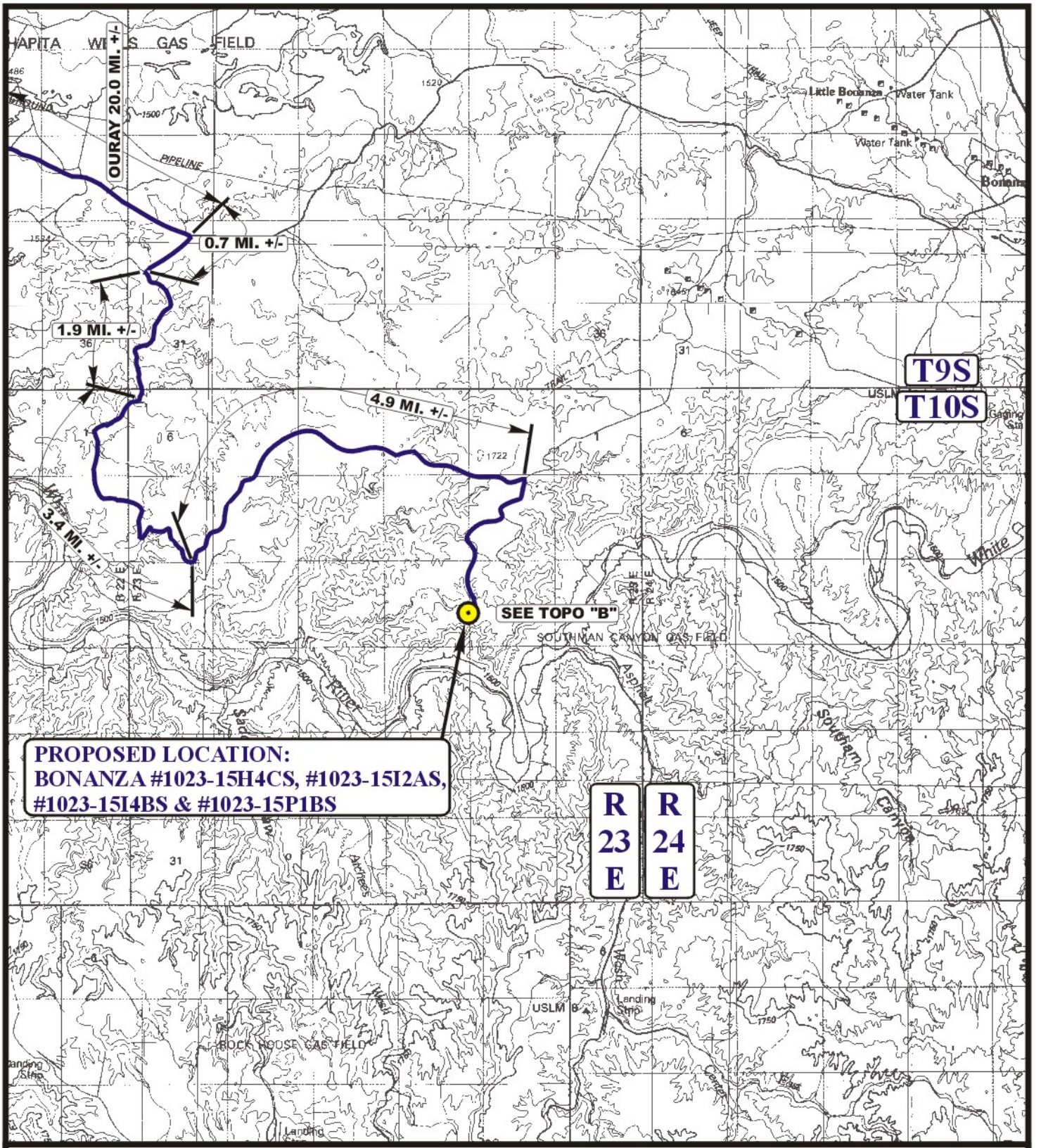
’APIWellNo:43047507430000’



LEGEND:

PROPOSED LOCATION

N

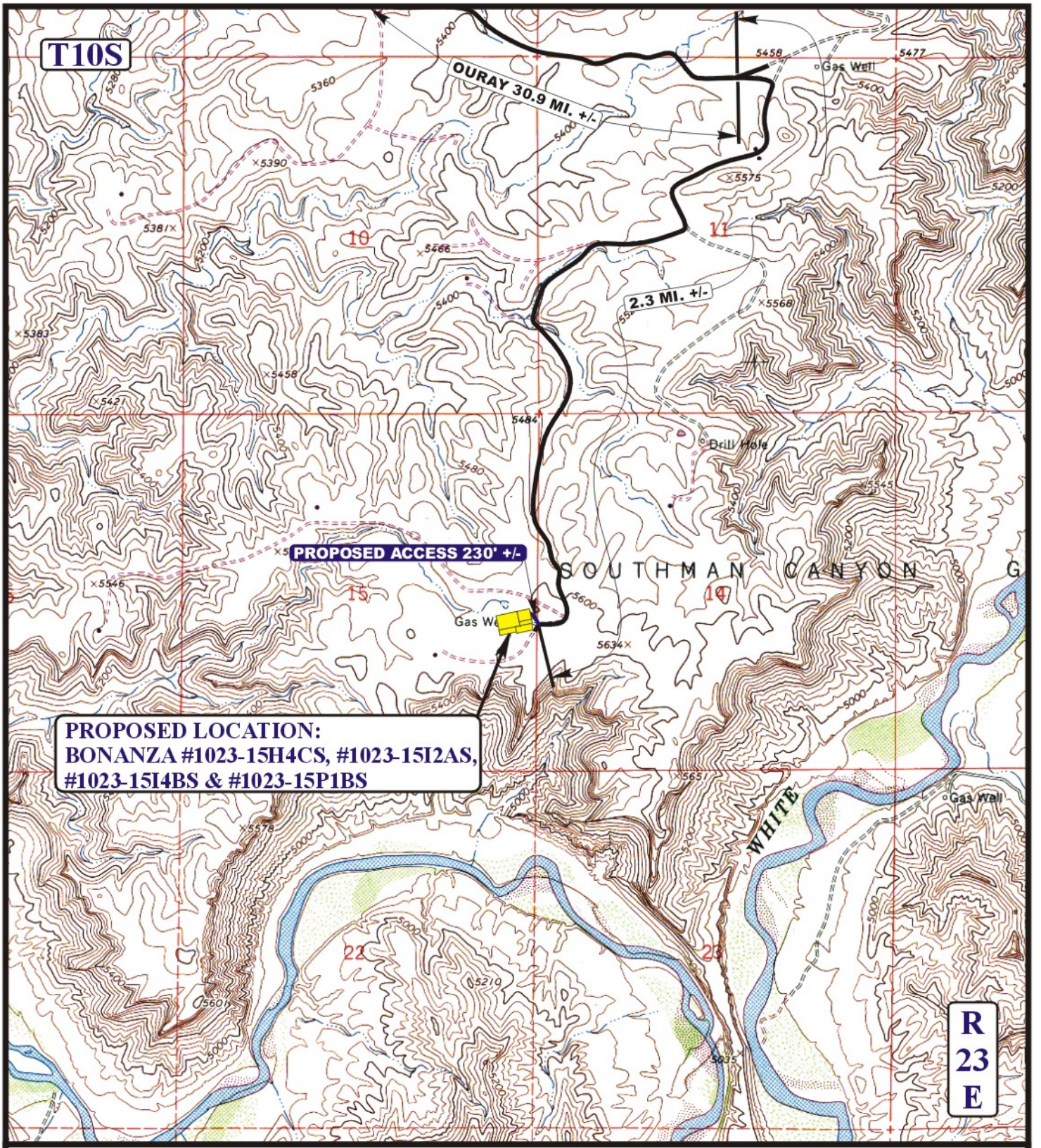
Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-15H4CS, #1023-15I2AS, #1023-15I4BS & #1023-15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.
NE 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	24 DAY	06 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REV: J.H. 02-24-09		

’APIWellNo:43047507430000’



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

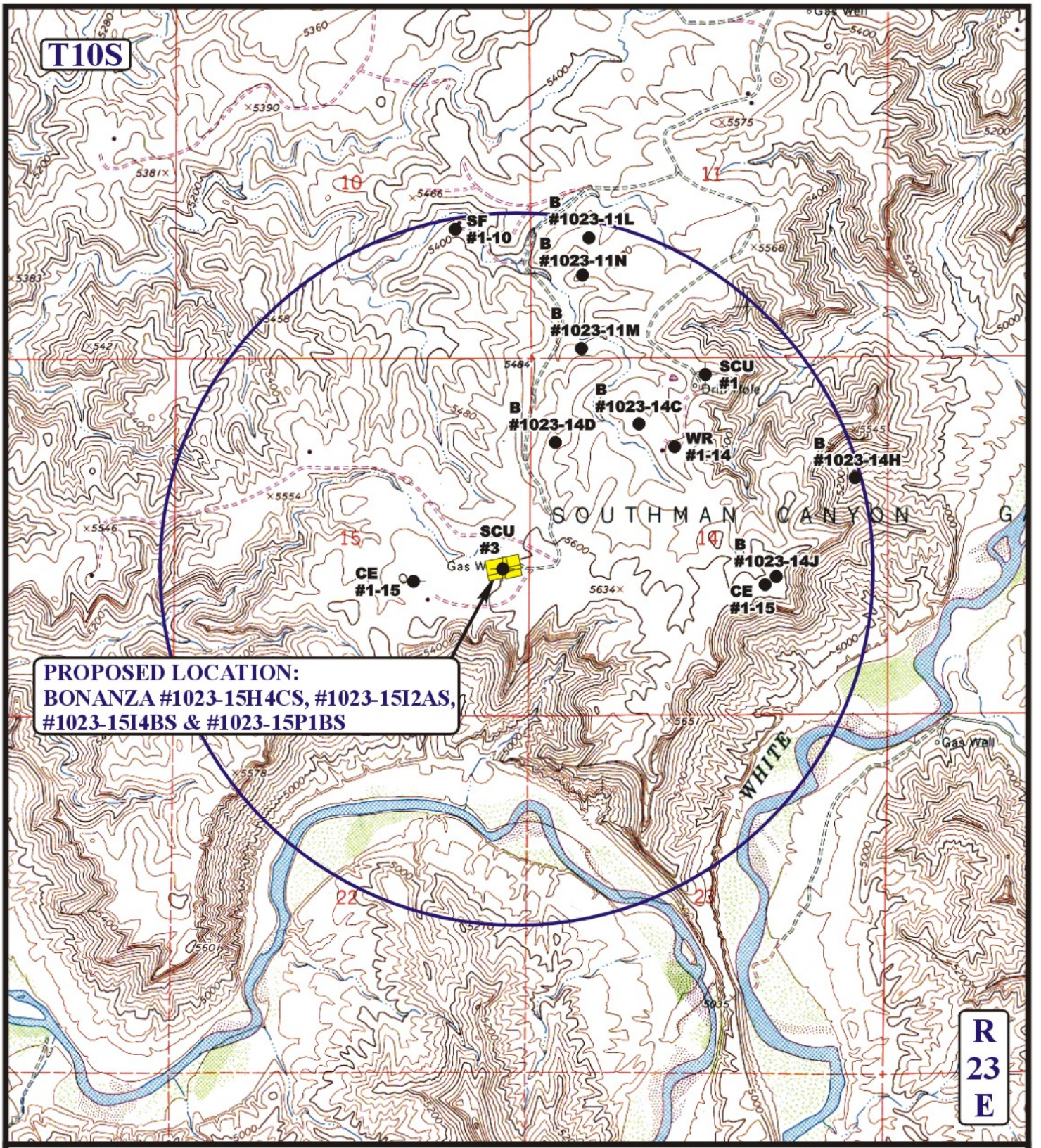
Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-15H4CS, #1023-15I2AS, #1023-15I4BS & #1023-15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.
NE 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	24 DAY	06 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REV: J.H. 02-24-09		

'APIWellNo:43047507430000'



LEGEND:

- DISPOSAL WELLS
- WATER WELLS
- PRODUCING WELLS
- ABANDONED WELLS
- SHUT IN WELLS
- TEMPORARILY ABANDONED

N

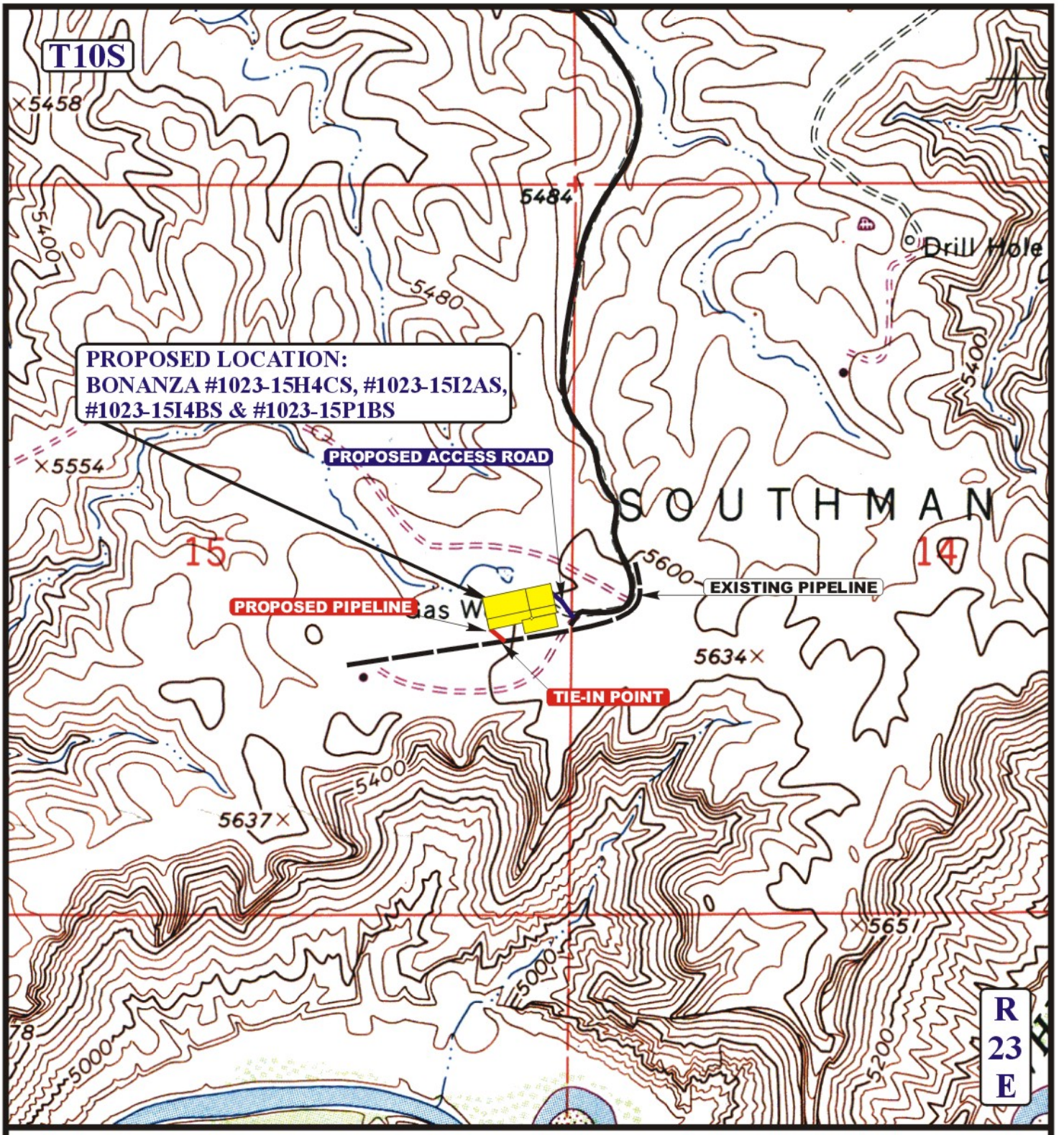
Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-15H4CS, #1023-15I2AS, #1023-15I4BS & #1023-15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.
NE 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	24 DAY	06 YEAR
SCALE: 1" = 2000'	DRAWN BY: C.P.	REV: J.H. 02-24-09	C TOPO

’APIWellNo:43047507430000’



APPROXIMATE TOTAL PIPELINE DISTANCE = 123' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-15H4CS, #1023-15I2AS, #1023-15I4BS & #1023-15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.
NE 1/4 SE 1/4

Uintah Engineering & Land Surveying
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(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	24 DAY	06 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: C.P.	REV: J.H. 02-24-09		

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-15H4CS, #1023-15I2AS, #1023-15I4BS & #1023-15P1BS

LOCATED IN UINTAH COUNTY, UTAH
SECTION 15, T10S, R23E, S.L.B.&M.

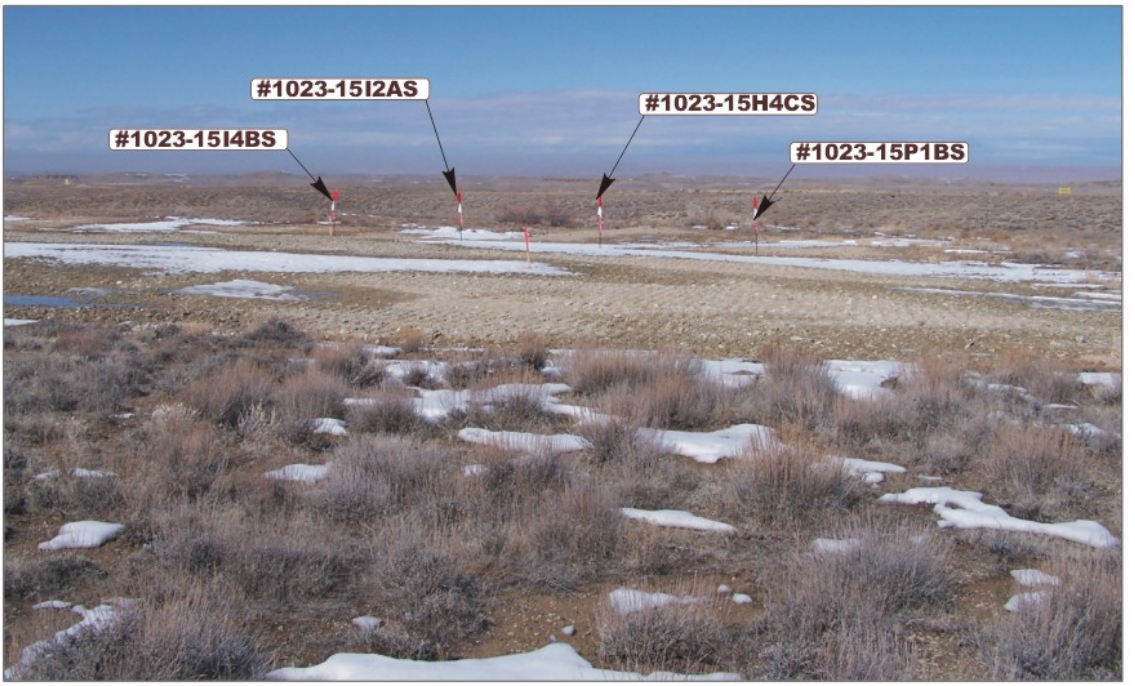


PHOTO: VIEW OF LOCATION STAKES — CAMERA ANGLE: NORTHWESTERLY

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS — CAMERA ANGLE: NORTHWESTERLY

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	05 MONTH	24 DAY	06 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: C.P.	REV: J.H. 02-24-09		

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-15H4CS, #1023-15I2AS, #1023-15I4BS & #1023-15P1BS

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 15, T10S, R23E, S.L.B.&M.

PHOTO: VIEW FROM TIE-IN POINT **CAMERA ANGLE: NORTHWESTERLY**

PHOTO: VIEW OF PIPELINE ALIGNMENT **CAMERA ANGLE: NORTHWESTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

PIPELINE PHOTOS	05 MONTH	24 DAY	06 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: C.P.	REV: J.H. 02-24-09		

Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-15H4CS, #1023-15I2AS, #1023-15I4BS & #1023-15P1BS
SECTION 15, T10S, R23E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 4.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 225’ TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 64.2 MILES.

Bonanza 1023-15H4CS
Surface: 2,204' FSL 319' FEL (NE/4SE/4)
BHL: 2,450' FNL 535' FEL (SE/4NE/4)

Bonanza 1023-15I2AS
Surface: 2,199' FSL 339' FEL (NE/4SE/4)
BHL: 2,425' FSL 700' FEL (NE/4SE/4)

Bonanza 1023-15I4BS
Surface: 2,194' FSL 359' FEL (NE/4SE/4)
BHL: 1,915' FSL 620' FEL (NE/4SE/4)

Bonanza 1023-15P1BS
Surface: 2,208' FSL 300' FEL (NE/4SE/4)
BHL: 1,080' FSL 615' FEL (SE/4SE/4)

Pad: Bonanza 1023-15I
Sec. 15 T10S R23E

Uintah, Utah
Mineral Lease: UTU 38427

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN SUBMITTED WITH SITE-SPECIFIC INFORMATION

This Application for Permit to Drill (APD) is filed under the Notice of Staking (NOS) process as stated in Onshore Order No. 1 (OSO #1) and supporting Bureau of Land Management (BLM) documents. An NOS was submitted on May 7, 2009 showing the surface locations in NE/4 SE/4 of Section 15 T10S R23E.

This Surface Use Plan of Operations (SUPO) or 13-point plan provides the site-specific information for the above-referenced wells. This information is to be incorporated by reference into the Master Development Plan (MDP) for Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee). The MDP is available upon request from the BLM-Vernal Field Office.

An on-site meeting was held on May 27, 2009. Present were:
- Verlyn Pindell, Dave Gordon, Scott Ackerman – BLM;
- Kolby Kay – 609 Consulting, LLC;
- Tony Kazeck, Raleen White and Hal Blanchard – Kerr-McGee.

Directional Drilling:
In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, this well will be directionally drilled in order to access portions of our lease which are otherwise inaccessible due to topography.

A. Existing Roads:
A) Refer to Topo Map A for directions to the location.
B) Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

B. **Planned Access Roads:**
See MDP for additional details on road construction.
Approximately ±230' (±0.04 mile) of new access road is proposed. Please refer to the attached Topo Map B. No pipelines will be crossed with the new construction.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site and are typically shown on the attached Exhibits and Topo maps.

C. **Location of Existing Wells Within a 1-Mile Radius:**
Please refer to Topo Map C.

D. **Location of Existing and Proposed Facilities:**
See MDP for additional details on Existing and Proposed Facilities.

This pad will expand the existing pad for the SWD #3, which is a Dry Hole according to Utah Division of Oil, Gas and Mining (UDOGM) records.

The following guidelines will apply if the well is productive.
Approximately ±123' (±0.02 miles) of pipeline is proposed. Refer to Topo D for the existing pipeline. Pipeline segments will be welded or zaplocked together on disturbed areas in or near the location, whenever possible, and dragged into place.

Per the onsite meeting, the following items were requested/discussed:
- Install a 30 mil pit liner and felt
- Clean out existing pond
- 4" of topsoil
- Keep spoils out of drainage at corners 1 and 2

E. **Location and Type of Water Supply:**
See MDP for additional details on Location and Type of Water Supply.

Water for drilling purposes will be obtained from one of the following sources:
- Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32 T4S R3E, Water User Claim number 43-8496, application number 53617.
- Price Water Pumping Inc. Green River and White River, various sources, Water Right Number 49-1659, application number: a35745.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

F. **Source of Construction Materials:**
See MDP for additional details on Source of Construction Materials.

G. **Methods of Handling Waste Materials:**
See MDP for additional details on Methods of Handling Waste Materials.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites:

RNI in Sec. 5 T9S R22E
NBU #159 in Sec. 35 T9S R21E
Ace Oilfield in Sec. 2 T6S R20E
MC&MC in Sec. 12 T6S R19E
Pipeline Facility in Sec. 36 T9S R20E
Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E
Bonanza Evaporation Pond in Sec. 2 T10S R23E

H. **Ancillary Facilities:**
See MDP for additional details on Ancillary Facilities.

None are anticipated.

I. **Well Site Layout:** (See Location Layout Diagram)
See MDP for additional details on Well Site Layout.

All pits will be fenced according to the following minimum standards:

- Net wire (39-inch) will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.
- Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.
- All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

J. **Plans for Reclamation of the Surface:**
See MDP for additional details on Plans for Reclamation of the Surface.

K. **Surface/Mineral Ownership:**
United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

L. **Other Information:**
See MDP for additional details on Other Information.

Stipulations:

- Oil/Tar sand lease stipulation:
  No surface occupancy from May 15 through July 20.

M. **Lessee's or Operators' Representative & Certification:**

Kathy Schneebeck Dulnoan
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6007

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Kathy Schneebeck Dulnoan

September 10, 2009
Date

Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779

July 8, 2009

Ms. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Exception Location R649-3-3 and Directional Drilling R649-3-11
Bonanza 1023-15I4BS
T10S- R23E
Section 15: NESE
2194' FSL, 359' FEL (surface)
1915' FSL, 620' FEL (bottom hole)
Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-3 and Rule R649-3-11 pertaining to the Exception to Location and Sitting of Wells.

- Kerr-McGee's Bonanza 1023-15I4BS is located within the area covered by Docket No. 2008-011 authorizing the equivalent of an approximate 10-acre well density pattern, and requiring approval for wells drilled at an exception location and wells drilled directionally in accordance with the referenced rules.

- Kerr-McGee is permitting this well at this location for geological reasons. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to minimize surface disturbance.

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to Rule R6493-3 and Rule R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

Jessy Pink

Jessy Pink
Landman

CULTURAL RESOURCE INVENTORY OF KERR-MCGEE OIL & GAS ONSHORE LP'S PROPOSED WELL LOCATIONS: BONANZA #1023-10N DIRECTIONAL PAD, BONANZA #1023-10N3DS, BONANZA #1023-15I DIRECTIONAL PAD, BONANZA #1023-15H4CS, BONANZA #1023-15I2AS, BONANZA #1023-15I4BS, AND BONANZA #1023-15P1BS (T10S, R23E, SECTIONS 10 AND 15) UINTAH COUNTY, UTAH

By:

Patricia Stavish

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 09-046

May 11, 2009

United States Department of Interior (FLPMA)
Permit No. 09-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-09-MQ-0230b

IPC #09-67

Paleontological Reconnaissance Survey Report

Survey of Kerr McGee's Proposed Multi-Well Pad, Access Road, and Pipeline for "Bonanza #1023-15H4CS, I2AS, I4BS, & P1BS" (Sec. 15, T 10 S, R 23 E)

Asphalt Wash
Topographic Quadrangle
Uintah County, Utah

April 23, 2009

Prepared by Stephen D. Sandau
Paleontologist for
Intermountain Paleo-Consulting
P. O. Box 1125
Vernal, Utah 84078

’APIWellNo:43047507430000’

Grasslands Consulting, Inc.

4800 Happy Canyon Road, Suite 110, Denver, CO 80237

(303) 759-5377 Office (303) 759-5324 Fax

SPECIAL STATUS PLANT AND WILDLIFE SPECIES REPORT

Report #: GCI#17

Operator: Kerr-McGee Oil & Gas Onshore LP

Well: Bonanza 1023-15I pad (Bores: Bonanza 1023-15H4CS, Bonanza 1023-15I2AS, Bonanza 1023-15I4BS, and Bonanza 1023-15P1BS)**.**

Pipeline: Proposed pipeline from southwest corner of well pad to intersection with existing pipeline south of location.

Access Road: Proposed access road from existing access road east of location.

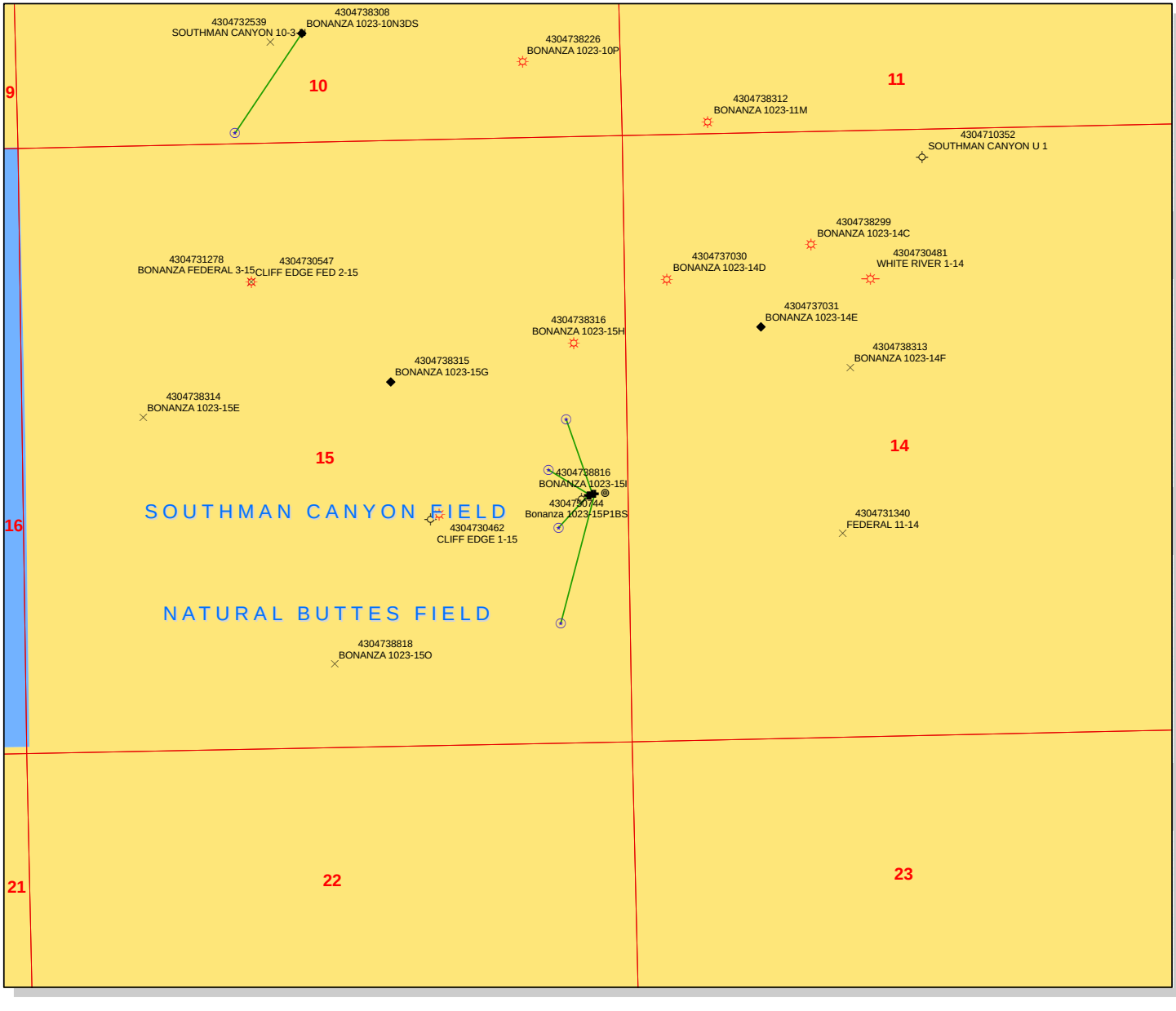
Location: Section 15, Township 10 South, Range 23 East; Uintah County, Utah.

Survey-Species: Uinta Basin Hookless Cactus (*Sclerocactus wetlandicus*) and nesting raptors.

Date: 05/05/2009

Observer(s): Grasslands Consulting, Inc. Biologists: Nick Hall, Dan Hamilton, and Jonathan Sexauer. Technician: Chad Johnson.

Weather: Partly cloudy, 60-75ºF, 5-10mph winds.



API Number: 4304750743

Well Name: Bonanza 1023-15I4BS

Township 10.0 S Range 23.0 E Section 15

Meridian: SLBM

Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
ACTIVE
COMBINED
Sections

Wells Query Events
<all other values>
GIS_STAT_TYPE
<Null>
APD
DRL
GI
GS
LA
NEW
OPS
PA
PGW
POW
RET
SGW
SOW
TA
TW
WD
WI
WS

1,100 550 0 1,100 Feet

1:10,646

'APIWellNo:43047507430000'

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/11/2009 **API NO. ASSIGNED:** 43047507430000

WELL NAME: Bonanza 1023-15I4BS

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995) **PHONE NUMBER:** 720 929-6156

CONTACT: Danielle Piernot

PROPOSED LOCATION: NESE 15 100S 230E **Permit Tech Review:** ☑

SURFACE: 2194 FSL 0359 FEL **Engineering Review:** ☑

BOTTOM: 1915 FSL 0620 FEL **Geology Review:** ☑

COUNTY: UINTAH

LATITUDE: 39.94770 **LONGITUDE:** -109.30431

UTM SURF EASTINGS: 644862.00 **NORTHINGS:** 4423119.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU 38427 **PROPOSED PRODUCING FORMATION(S):** WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - WYB000291
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Permit #43-8496
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☑ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 179-14

Effective Date: 6/12/2008

Siting: 460' fr ext. drilling unit boundary

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 3 - Commingling - ddoucet
4 - Federal Approval - dmason
15 - Directional - dmason

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Bonanza 1023-15I4BS
API Well Number: 43047507430000
Lease Number: UTU 38427
Surface Owner: FEDERAL
Approval Date: 9/29/2009

Issued to:
KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-14. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Commingle:
In accordance with Board Cause No. 179-14, commingling of the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

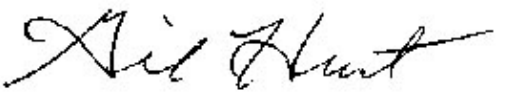
- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
  OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



Gil Hunt
Associate Director, Oil & Gas

Form 3160-3
(August 2007)

RECEIVED
SEP 18 2009

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. UTU38427
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA Agreement, Name and No.
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone	8. Lease Name and Well No. BONANZA 1023-15I4BS
2. Name of Operator KERRMCGEE OIL&GAS ONSHORE LP Contact: DANIELLE E PIERNOT E-Mail: Danielle.Piernot@anadarko.com	9. API Well No. 43 047 50743
3a. Address PO BOX 173779 DENVER, CO 80202-3779 / 3b. Phone No. (include area code) Ph: 720-929-6156 Fx: 720-929-7156	10. Field and Pool, or Exploratory NATURAL BUTTES
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface NESE 2194FSL 359FEL 39.94776 N Lat, 109.30488 W Lon At proposed prod. zone NESE 1915FSL 620FEL 39.94701 N Lat, 109.30578 W Lon	11. Sec., T., R., M., or Blk. and Survey or Area Sec 15 T10S R23E Mer SLB
14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 33 MILES SOUTHEAST OF OURAY, UTAH	12. County or Parish UINTAH / 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 620 FEET / 16. No. of Acres in Lease 640.00	17. Spacing Unit dedicated to this well
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. APPROXIMATELY 520 FEET / 19. Proposed Depth 7916 MD 7880 TVD	20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KB, RT, GL, etc. 5605 GL / 22. Approximate date work will start 09/28/2009	23. Estimated duration 60-90 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) DANIELLE E PIERNOT Ph: 720-929-6156	Date 09/11/2009
Title REGULATORY ANALYST I		
Approved by (Signature) Stephanie Howard	Name (Printed/Typed) Stephanie J Howard	Date 12/3/09
Title Acting Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #74183 verified by the BLM Well Information System
For KERRMCGEE OIL&GAS ONSHORE LP, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 09/14/2009 ()

NOTICE OF APPROVAL
RECEIVED
DEC 07 2009
DIV. OF OIL, GAS & MINING

UDOGM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

09GXJ4326AE

NOS 6-4-09

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-440

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr McGee Oil & Gas Onshore**	**Location:**	**NESE,Sec. 15,T10S,R23E (S)** **NESE,Sec.15, T10S, R23E(B)**
Well No:	**Bonanza 1023-15I4BS**	**Lease No:**	**UTU-38427**
API No:	**43-047-50743**	**Agreement:**	**N/A**

OFFICE NUMBER: (435) 781-4400
OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit was processed using a 390 CX tied to NEPA approved 02/05/07. Therefore, this permit is approved for a two (2) year period OR until lease expiration OR the well must be spud by 02/05/12 (5 years from the NEPA approval date), whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

- As agreed upon the onsite the following seed mix will be used for Interim Reclamation:

Interim Reclamation seed mix

Ephraim crested wheatgrass	*Agropyron cristatum v. Epharim*	1 lbs. /acre
bottlebrush squirreltail	*Elymus elymoides*	1 lbs. /acre
Siberian wheatgrass	*Agropyron fragile*	1 lbs. /acre
western wheatgrass	*Agropyron smithii*	1 lbs. /acre
scarlet globemallow	*Spaeralcea coccinea*	1 lbs. /acre
shadscale	*Atriplex confertifolia*	2 lbs. /acre
fourwing saltbush	*Atriplex canescens*	2 lbs. /acre

Seed shall be applied with a rangeland drill, unless topography and /or rockiness precludes the use of equipment. See shall be applied between August 15 and ground freezing. All see rates are in terms of Pure Live Seed. Operator shall notify the Authorized Officer when seeding has commenced, and shall retain all seed tags.

- The operator will control noxious weeds along the well pad, access road, and the pipeline route by spraying or mechanical removal. On BLM administered land, a Pesticide Use Proposal (PUP) will be submitted and approved prior to the application of herbicides or pesticides or possibly hazardous chemicals.

- The development of the well pad will not be seen from the White River corridor.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A Gama Ray Log shall be run from TD to surface.

Variances Granted:

Air Drilling:

- Properly lubricated and maintained rotating head, variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 45' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for two truck/trailer mounted air compressors located within 40 feet from the well bore and 60' from the blooie line.
- In lieu of mud products on location, Kerr McGee will fill the reserve pit with water for kill fluid.
- Automatic igniter. Variance granted for igniter due to there being no productive formations while drilling with air.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **KERR-McGEE OIL & GAS ONSHORE, L. P.**

Well Name: **BONANZA 1023-15I4BS**

Api No: **43-047-50743** Lease Type: **FEDERAL**

Section **15** Township **10S** Range **23E** County **UINTAH**

Drilling Contractor **PETE MARTIN DRLG** RIG # **BUCKET**

SPUDDED:

Date **01/31/2010**

Time **4:00 PM**

How **DRY**

Drilling will Commence:

Reported by **JAMES GOBER**

Telephone # **(435) 828-7024**

Date **02/01//2010** **Signed** **CHD**

API Well No: 43047507430000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU 38427

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Bonanza 1023-15I4BS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047507430000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6007 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
2194 FSL 0359 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☑ SPUD REPORT Date of Spud: 1/31/2010	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 01/31/2010 AT 16:00 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
February 01, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE		**DATE**
N/A		2/1/2010

RECEIVED February 01, 2010

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP

Operator Account Number: N 2995

Address: P.O. Box 173779

city DENVER

state CO zip 80217

Phone Number: (720) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750743	BONANZA 1023-15I4BS		NESE	15	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	17490	1/31/2010			2/18/10	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 1/31/2010 AT 16:00 HRS. BHL = NESE

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

RECEIVED
FEB 01 2010
DIV. OF OIL, GAS & MINING

ANDY LYTLE
Name (Please Print)

Signature

REGULATORY ANALYST
Title

2/1/2010
Date

(5/2000)

API Well No: 43047507430000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-15I4BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047507430000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2194 FSL 0359 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
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☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 2/10/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON 2/8/2010. DRILLED 11" SURFACE HOLE TO 1950'. RAN 8-5/8" 28# J-55 SURFACE CSG. PUMP 100 BBLS OF H2O. PUMP 20 BBLS GEL WATER. PUMP 200 SX CLASS G PREM LITE TAIL CMT @ 15.8 PPG, 1.15 YIELD. DROP PLUG ON FLY AND DISPLACE W/113.5 BBLS FRESH WATER, 40 PSI OF LIFT. NO RETURNS. BUMP PLUG W/500 PSI, FLOATS HELD. PUMP 75 SX CLASS G PREM LITE TOP TOP OUT CMT @ 15.8 PPG, 1.15 YIELD. WAIT 2 HRS AND PUMP 125 SX SAME CMT. WAIT 2 HRS AND PUMP 200 SX SAME CMT. TOP OUT WITH APPROX 30 BBLS OF REDIMIX. WORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
February 16, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 2/16/2010

RECEIVED February 16, 2010

API Well No: 43047507430000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

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7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-15I4BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047507430000

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PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2194 FSL 0359 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 2/22/2010	☐ ACIDIZE	✓ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
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	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the surface casing size for this well from FROM: 9-5/8" TO: 8-5/8". Additionally, Kerr-McGee requests to change the cement program for this well due to a revised drilling procedure. The production casing will still be cemented it's entire length to the surface. Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: February 17, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 2/16/2010

RECEIVED February 16, 2010

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	February 16, 2010	
WELL NAME	**Bonanza 1023-15I4BS**		TD	7,880' TVD	7,916' MD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,603'
SURFACE LOCATION	NE/4 SE/4	2,194' FSL	359' FEL	Sec 15 T 10S R 23E	
	Latitude:	39.947764	Longitude:	-109.304883	NAD 83
BTM HOLE LOCATION	NE/4 SE/4	1,915' FSL	620' FEL	Sec 15 T 10S R 23E	
	Latitude:	39.947008	Longitude:	-109.305783	NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'	14"		
			11"	8-5/8", 28#, IJ-55, LTC	Air mist

All water flows encountered while drilling will be reported to the appropriate agencies.

Green River @	**970'**
Top of Birds Nest @	**1,329'**
Mahogany @	**1,828'**
Preset f/ GL @	**1,980' MD**

Note: 11" surface hole will usually be drilled ±400' below the lost circulation zone (aka bird's nest). Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.

Wasatch @	**3,950'**
Mverde @	**5,725' TVD**
MVU2 @	**6,713' TVD**
MVU1 @	**7,310' TVD**
TD @	**7,880' TVD / 7,916' MD**

Mud logging program TBD

Cased hole logging program from TD - surf csg

Max anticipated Mud required 11.6 ppg

7-7/8"	4-1/2" 11.6# I-80 or equivalent BTC csg	Water / Fresh Water Mud 8.3-11.6 ppg

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3,390	1,880	348,000
SURFACE	8-5/8"	0 to 1,980	28.00	IJ-55	LTC	1.12	2.03	6.21
						7,780	6,350	278,000
PRODUCTION	4-1/2"	0 to 7,916	11.60	I-80	BTC	2.58	1.34	3.47

*Burst on suface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.72

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 2,930 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MABHP 4,685 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	260	0%	15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
			Premium cmt + 2% CaCl				
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1,480'	65/35 Poz + 6% Gel + 10 pps gilsonite	290	35%	12.60	1.81
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	150	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	5,256'	Premium Lite II +0.25 pps	450	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	2,660'	50/50 Poz/G + 10% salt + 2% gel	660	40%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: ______________________ **DATE:** __________

John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: ______________________ **DATE:** __________

John Merkel / Lovel Young

API Well No: 43047507430000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427

SUNDRY NOTICES AND REPORTS ON WELLS

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7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-15I4BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047507430000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2194 FSL 0359 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
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☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 3/18/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
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	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 1950' TO 8014' ON 3/17/2010. RAN 4-1/2" 11.6# I-80 PRODUCTION CASING. PUMPED 40 BBL SPACER. LEAD CMT W/615 SKS CLASS G PREM LITE @ 11.9 PPG, 2.36 YIELD. TAILED CMT W/620 SKS CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YIELD. DISPLACED 123 BBLS WATER, FULL RETURNS THROUGHOUT JOB, RETURNED 34 BBLS BACK TO PIT. BUMPED PLUG, FLOATS HELD W/1 BBL BACK TO TRUCK, FINAL LIFT 2080 PSI. FLUSH BOP & FLOWLINE, NIPPLE DOWN, CLEAN MUD TANKS. RELEASE ENSIGN 146 RIG ON 3/18/2010 AT 23:59 HRS.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

March 24, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 3/23/2010

RECEIVED March 23, 2010

API Well No: 43047507430000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-15I4BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047507430000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2194 FSL 0359 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 3/18/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 1950' TO 8014' ON 3/17/2010. RAN 4-1/2" 11.6# I-80 PRODUCTION CASING. PUMPED 40 BBL SPACER. LEAD CMT W/615 SKS CLASS G PREM LITE @ 11.9 PPG, 2.36 YIELD. TAILED CMT W/620 SKS CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YIELD. DISPLACED 123 BBLS WATER, FULL RETURNS THROUGHOUT JOB, RETURNED 34 BBLS BACK TO PIT. BUMPED PLUG, FLOATS HELD W/1 BBL BACK TO TRUCK, FINAL LIFT 2080 PSI. FLUSH BOP & FLOWLINE, NIPPLE DOWN, CLEAN MUD TANKS. RELEASE ENSIGN 146 RIG ON 3/18/2010 AT 23:59 HRS.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

March 24, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 3/23/2010

RECEIVED March 23, 2010

API Well No: 43047507430000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-15I4BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047507430000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2194 FSL 0359 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SPUD REPORT Date of Spud:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ DRILLING REPORT Report Date: 5/6/2010	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 5-6-10 AT 10:00 A.M.
THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
May 17, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 5/6/2010

RECEIVED May 06, 2010

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU38427

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE LP Contact: ANDY LYTLE Mail: andrew.lytle@anadarko.com

8. Lease Name and Well No. BONANZA 1023-15I4BS

3. Address P.O. BOX 173779 DENVER, CO 80217

3a. Phone No. (include area code) Ph: 720-929-6100

9. API Well No. 43-047-50743

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NESE 2194FSL 359FEL 39.94776 N Lat, 109.30488 W Lon BHL reviewed by HSM

At top prod interval reported below NESE 1914FSL 613FEL

At total depth NESE 1912FSL 606FEL

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 15 T10S R23E Mer SLB

12. County or Parish UINTAH

13. State UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, KB, RT, GL)*
01/31/2010	03/17/2010	☐ D & A ☒ Ready to Prod. 05/06/2010	5604 GL

18. Total Depth:	MD 8014 TVD 7974	19. Plug Back T.D.:	MD 7961 TVD 7921	20. Depth Bridge Plug Set:	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GR/CBL-HDIL/ZDL/CN/GR

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
11.000	8.625 IJ55	28.0		1916		600			
7.875	4.500 I80	11.6		8004		1235		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7266							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	WASATCH	4750	5512	4750 TO 5512	0.360	76	OPEN
B)	MESAVERDE	6412	7786	6412 TO 7786	0.360	240	OPEN
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4750 TO 5512	PMP 2,642 BBLS SLICK H20 & 125,694 LBS 30/50 SD.
6412 TO 7786	PMP 6,176 BBLS SLICK H20 & 235,304 LBS 30/50 SD.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
05/06/2010	05/24/2010	24	→	0.0	2138.0	392.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
20/64	921	1350.0	→	0	2138	392		PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

RECEIVED
JUN 08 2010
DIV. OF OIL, GAS & MINING

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #87237 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	946				
BIRD'S NEST	1189				
MAHOGANY	1781				
WASATCH	4003	5720			
MESAVERDE	5750	8014	TD		

32. Additional remarks (include plugging procedure):
ATTACHED IS THE CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #87237 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

Name *(please print)* ANDY LYTLE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 06/01/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-15I4BS (GREEN)	Spud Conductor: 1/31/2010	Spud Date: 2/8/2010	
Project: UTAH-UINTAH	Site: BONANZA 1023-15I PAD		Rig Name No: ENSIGN 146/146, PROPETRO/
Event: DRILLING	Start Date: 2/2/2010		End Date: 3/18/2010
Active Datum: RKB @5,619.00ft (above Mean Sea Leve	UWI: NE/SE/0/10/S/23/E/15/0/0/0/SALT LAKE/S/2194/E/0/359/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
2/8/2010	19:00 - 23:00	4.00	MIRU	01	B	P		DRESS CONDUCTOR, INSTALL AIR BOWL, RIG UP BOWIE LINE, RIG UP RIG., BUILD DITCH, RIG UP PUMPS, DOG HOUSE, AIR COMPRESSOR AND BOOSTER. P/U 1.5 BENT HOUSE MOTOR SN 8022 AND Q507 SN 7018945 4TH RUN.
	23:00 - 0:00	1.00	DRLSUR	02	B	P		DRILL 44'-150' AIR SPUD 2/8/2010 23:00
2/9/2010	0:00 - 2:00	2.00	DRLSUR	06	A	P		LD 6" DC'S, P/U DIRECTIONAL TOOLS. ORIENT DIRECTIONAL TOOLS.
	2:00 - 12:00	10.00	DRLSUR	02	D	P		DRILL W/ MWD 150'-1560'(1410',141'/HR)WOB 25K, ROT 45, GPM 650, DH ROT 104, PSI 1300/1600, UP/DOWN//ROT 62/60/61. LOSS PARTIAL CIRC @ 1400'.
	12:00 - 16:00	4.00	MAINT	08	B	Z		BLEW HYDRALIC HOSE. WAIT ON HYDRALIC HOSE.REPAIR HYDRALIC HOSE. HYDRALIC OIL LEAKED INTO DRIP PAN.
	16:00 - 21:00	5.00	DRLSUR	02	D	P		DRILL W/ MWD 1560'- 1950' (390', 78'/HR) TD 2/09/2010 21:00 WOB 25K, ROT 45, GPM 650, DH ROT 104, PSI 1300/1600, UP/DOWN//ROT 68/65/67. AERATE WATER TO MAINTAIN PIT VOLUME.
	21:00 - 22:30	1.50	CSG	05	F	P		CIRC AND CONDITION HOLE, CLEAN HOLE W/ AERATED WATER.
	22:30 - 0:00	1.50	CSG	06	D	P		LDDS.
2/10/2010	0:00 - 2:00	2.00	CSG	06	D	P		LAY DOWN BHA, BREAK OFF ALL SLOT SUBS BREAK DOWN DIRECTIONAL TOOL, MOTOR AND BIT.
	2:00 - 5:00	3.00	CSG	12	C	P		RUN 43 JTS OF 8-5/8" 28# IJ-55 CSG W/ 8RD LTC THREADS. RAN FLOAT SHOE ON SHOE JT LANDED @ 1906' KB. RAN BAFFLE PLATE IN TOP OF SHOE JT. BAFFLE @ 1860' KB. FILL CSG 800'.
	5:00 - 6:00	1.00	CSG	01	E	P		RIG DOWN RIG, READY RIG TO MOVE. RELEASE RIG 2/10/2010 06:00
	6:00 - 14:00	8.00	CSG	12	E			HELD SAFETY MTNG,PRESS TEST TO 2000 PSI,PUMP 100 BBLS H20,PUMP 20 BBLS GEL WATER,PUMP (20 BBL) 200 SX 15.8 # 1.15 YLD 5 GAL/SK TAIL CMNT DROP PLUG ON FLY DISP W/ 113.5 BBLS FRESH WATER 40 PSI LIFT NO RETURNS, BUMP PLUG W / 500 PSI, FLOAT HELD. TOP OUT 75 SX OF 15.8#. 1.15 YLD 5 GAL SK 4% CALC CMNT, WAIT 2 HRS PUMP 125 SX SAME CMNT. WAIT 2 HRS. PUMP 200 SX OF SAME CEMENT. TOP OUT WITH APRROX 30 BBLS OF REDIMIX.
3/12/2010	0:00 - 6:00	6.00	RDMO	01	E	P		RDRT - PREPARE TO MOVE RIG
	6:00 - 17:00	11.00	RDMO	01	A	P		MOVE OUT & SET IN RIG - 100% OFF LOCATION BONANZA 1023-2L2S, 100% SET IN, 75% RIGGED UP (JONES TRUCKING 9 TRUCKS 2 FORKLIFTS - TRUCKS OFF LOCATION @ 17:00 HRS)
	17:00 - 0:00	7.00	RDMO	01	B	P		RURT - STRING UP (WAIT ON DAYLIGHT TO RAISE DERRICK) C/OUT POWER SHOE IRON DERRICKHAND
3/13/2010	0:00 - 17:00	17.00	MIRU	01	B	P		RURT (RAISE DERRICK @ 07:00)
	17:00 - 19:00	2.00	MIRU	14	A	P		N/UP BOPE
	19:00 - 23:00	4.00	DRLPRO	15	A	P		TEST BOP - RAMS, CHOKE, CHOKE LINE, HCR, MANUAL VALVES, FLOOR VALVES, IBOP 250 LOW 5000 HIGH, ANNULAR 250 LOW 2500 HIGH, 1500 CASING
	23:00 - 0:00	1.00	DRLPRO	08	B	Z		UPDATE NEW RIG SMART SOFTWARE

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-15I4BS (GREEN)	Spud Conductor: 1/31/2010	Spud Date: 2/8/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-15I PAD	Rig Name No: ENSIGN 146/146, PROPETRO/
Event: DRILLING	Start Date: 2/2/2010	End Date: 3/18/2010
Active Datum: RKB @5,619.00ft (above Mean Sea Leve	UWI: NE/SE/0/10/S/23/E/15/0/0/0/SALT LAKE/S/2194/E/0/359/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/14/2010	0:00 - 3:00	2.00	DRLPRO	08	B	Z		UPDATE NEW RIG SMART SOFTWARE
	3:00 - 7:30	4.50	DRLPRO	06	A	P		P/UP DIRECTIONAL BHA SCRIBE & ORIENT SAME RIH TO 1500'
	7:30 - 8:30	1.00	DRLPRO	08	A	Z		BLACKED OUT RIG
	8:30 - 9:00	0.50	DRLPRO	06	A	P		RIH TO 1816' - TAGGED CEMENT
	9:00 - 9:30	0.50	DRLPRO	07	B	P		CENTER & LEVEL DERRICK, INSTALL ROTATING HEAD RUBBER
	9:30 - 11:30	2.00	DRLPRO	02	F	P		DRILL CEMENT, FE & RATHOLE F/1816' TO 1960'
	11:30 - 12:00	0.50	DRLPRO	07	A	P		RIG SER
	12:00 - 15:30	3.50	DRLPRO	02	D	P		DRILL/SLIDE F/1960' TO 2282' (322' @ 92fph) WOB 18, RPM 40, MM RPM 140, TQ 5, GPM 500, SLIDE 2010 2034, 2101 2125, 2191 2215, WOB 18, MM RPM 140, GPM 500, DIFF 325
	15:30 - 16:30	1.00	DRLPRO	08	B	Z		COMMISSION, CALIBRATE RIG SMART/PECO
	16:30 - 0:00	7.50	DRLPRO	02	D	P		DRILL/SLIDE F/2282' TO 3110' (828' @ 110.4fph) WOB 18, RPM 45, MM RPM 140, TQ 5, GPM 500, SLIDE 2282 2306, 2373 2399, 2463 2489, 2554 2567, 2645 2658, 2826 2834, 2917 2928, 3008 3018, 3098 3108, WOB 18, MM RPM 140, GPM 500, DIFF 325
3/15/2010	0:00 - 12:30	12.50	DRLPRO	02	D	P		DRILL/SLIDE F/3110' TO 4639' (1529' @ 122fph) MW 8.4, WOB 18, RPM 40, M RPM 130, TQ 8, GPM 470, SLIDE 3189 3201, 3370 3385, 3552 3565, 3642 3657, 4186 4200, 4276 4290, 4367 4385, WOB 18, MM RPM 130, GPM 470, DIFF 275
	12:30 - 13:00	0.50	DRLPRO	07	A	P		RIG SER
	13:00 - 0:00	11.00	DRLPRO	02	D	P		DRILL/SLIDE F/4639' TO 5865' (1226' @ 111fph) MW 9.7, WOB 18, RPM 30, MM RPM 120, TQ 9, GPM 430, SLIDE 5636 5652, 6090 6106, 6271 6285, MM RPM 120, GPM 430, DIFF 225
3/16/2010	0:00 - 12:00	12.00	DRLPRO	02	D	P		DRILL/SLIDE F/5865' TO 6909' (1044' @ 87fph) MW 10.7, WOB 18, RPM 30, MM RPM 130, TQ 10, GPM 470, SLIDE 6090 6106, 6271 6285, 6633 6648, WOB 18, MM RPM 130, GPM 470, DIFF 275
	12:00 - 12:30	0.50	DRLPRO	07	A	P		RIG SER
	12:30 - 0:00	11.50	DRLPRO	02	D	P		DRILL/SLIDE F/6909' TO 7679' (770' @ 66.9fph) MW 11.8, WOB 19, RPM 30, MM RPM 130, TQ 10, GPM 470
3/17/2010	0:00 - 5:00	5.00	DRLPRO	02	D	P		DRILL/SLIDE F/7679' TO 8014' (335' @ 67fph) MW 11.8, WONB 18/19, RPM 30, MM RPM 130, TQ 11, GPM 470
	5:00 - 6:30	1.50	DRLPRO	05	C	P		CIRC PRIOR TO W/TRIP
	6:30 - 17:30	11.00	DRLPRO	06	E	P		W/TRIP TO 8 5/8 CSG SHOE @ 1916'
	17:30 - 19:00	1.50	DRLPRO	05	C	P		CIRC. TO TRIP FOR LOGS
	19:00 - 0:00	5.00	DRLPRO	06	B	P		PUMPED 2 STDS. OUT, STRAIGHT PULL 5 STDS. & PUMP PILL, T.O.H FOR LOGS
3/18/2010	0:00 - 4:00	4.00	DRLPRO	06	B	P		T.O.H FOR WIRELINE LOGS
	4:00 - 9:00	5.00	DRLPRO	11	D	P		HELD SAFETY MEETING W/ BAKER & RIG UO TO RUN OPEN HOLE LOGS - LOGGERS TD 8015 FT. - LAYING DOWN TOOLS NOTICED THAT BTM. RUBBER STABALIZER WAS LEFT IN HOLE
	9:00 - 18:00	9.00	DRLPRO	12	C	P		HELD SAFETY MEETING W/ FRANKS CASING CREW, RIGGED UP & RAN 189 JTS. 4 1/2, 11.6#, E-80, BTC CASING SHOE SET @ 8004 FT. FLOAT COLLAR @ 7959 FT.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-15I4BS (GREEN)	Spud Conductor: 1/31/2010	Spud Date: 2/8/2010
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Active Datum: RKB @5,619.00ft (above Mean Sea Leve	UWI: NE/SE/0/10/S/23/E/15/0/0/0/SALT LAKE/S/2194/E/0/359/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	18:00 - 20:30	2.50	DRLPRO	12	E	P		HELD SAFETY MEETING W/ BJ, RIGGED UP & PUMPED 40 BBL SPACER, LEAD 258 BBLS, 615 SKS 11.9, 2.36 YIELD, TAIL 144 BBLS, 620 SKS 14.3, 1.31 YIELD, DISPLACED 123 BBLS WATER, FULL RETURNS THROUGH OUT JOB, RETURNED 34 BBLS BACK TO PIT, BUMPED PLUG, FLOATS HELD, 1 BBL. BACK TO TRUCK, FINAL LIFT 2080 PSI
	20:30 - 23:59	3.48	DRLPRO	14	A	P		FLUSH BOP & FLOWLINE, NIPPLE DOWN, CLEAN MUD TANKS, RELEASE RIG @ 23:59

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-15I4BS (GREEN)	Spud Conductor: 1/31/2010	Spud Date: 2/8/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-15I PAD	Rig Name No: ENSIGN 146/146, PROPETRO/
Event: DRILLING	Start Date: 2/2/2010	End Date: 3/18/2010
Active Datum: RKB @5,619.00ft (above Mean Sea Leve	UWI: NE/SE/0/10/S/23/E/15/0/0/0/SALT LAKE/S/2194/E/0/359/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	23:59 - 23:59	0.00	DRLPRO					CONDUCTOR CASING: Cond. Depth set: 44 Cement sx used: 0 SPUD DATE/TIME: 2/8/2010 23:00 SURFACE HOLE: Surface From depth:44 Surface To depth: 1,950 Total SURFACE hours: 16.00 Surface Casing size:8 5/8 # of casing joints ran: 43 Casing set MD:1,906.0 # sx of cement:630 Cement blend (ppg:)18.5 Cement yield (ft3/sk): 1.15 # of bbls to surface: 0 Describe cement issues: NO CMT TO SURFACE ON PRIMARY CMT JOB 4 TOP OUTS Describe hole issues: PRODUCTION: Rig Move/Skid start date/time: 3/12/2010 00:01 Rig Move/Skid finish date/time3/13/2010 17:00 Total MOVE hours: 41.0 Prod Rig Spud date/time: 3/14/2010 9:30 Rig Release date/time: 3/18/2010 23:59 Total SPUD to RR hours: 110.5 Planned depth MD 7,980 Planned depth TVD 7,940 Actual MD: 8,015 Actual TVD: 7,973 Open Wells $: $592,170 AFE $: $624,759 Open wells $/ft:$73.88 PRODUCTION HOLE: Prod. From depth: 1,960 Prod. To depth:8,015 Total PROD hours: 63 Log Depth: 8015 Production Casing size: 4 1/2 # of casing joints ran: 191 Casing set MD:8,004.0 # sx of cement:1,235 Cement blend (ppg:)L 11.9 T 14.3 Cement yield (ft3/sk): L 2.36 T 1.31 Est. TOC (Lead & Tail) or 2 Stage : 4904 Describe cement issues: Describe hole issues: DIRECTIONAL INFO: KOP: 150 Max angle: 19.44 Departure: 383.36 Max dogleg MD: 3.39

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-15I4BS (GREEN)	Spud Conductor: 1/31/2010	Spud Date: 2/8/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-15I PAD	Rig Name No: MILES-GRAY 1/1, LEED 733/733
Event: COMPLETION	Start Date: 4/19/2010	End Date: 5/5/2010
Active Datum: RKB @5,619.00ft (above Mean Sea Leve	UWI: NE/SE/0/10/S/23/E/15/0/0/0/SALT LAKE/S/2194/E/0/359/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/19/2010	7:00 - 7:15	0.25	COMP	48		P		JSA- RUSU
	7:15 - 8:30	1.25	COMP	30	A	P		RUSU. ND WH. NU BOP. RU FLOOR AND TBG EQUIP. LAY LINES.
	8:30 - 14:00	5.50	COMP	31	I	P		MU 3-7/8" MILL, BIT SUB, 1.87" XN AND RIH AS MEAS AND PU 248-JTS 2-3/8" L-80 TBG. EOT AT 7833'.
	14:00 - 16:00	2.00	COMP	44	A	P		RU PWR SWIVEL. EST REV CIRC. CIRC DOWN FROM 7833' TO 7915'. D/O HARD CMT FROM 7915' TO FC AT 7958'. CIRC CLEAN. RD PWR SWIVEL. P-TEST TO 3000#. GOOD.
	16:00 - 17:00	1.00	COMP	31	I	P		POOH AS LD 85-JTS 2-3/8" L-80 TBG. HAVE 167-JTS IN, EOT AT 5275'. SDFN
4/20/2010	7:00 - 7:15	0.25	COMP	48		P		JSA- LD TBG.
	7:15 - 10:30	3.25	COMP	31	I	P		FIN POOH AS LD 167-JTS 2-3/8" TBG. LD BIT SUB AND MILL. RD FLOOR. ND BOP. ND TBG HEAD. NU FRAC VALVES. FILL WELL W/ TMAC. RACK OUT PMP AND LINES. RDSU AND MOVE OFF.
4/23/2010	8:00 - 8:30	0.50	COMP	48		P		HSM. FRACING & PERFORATING ON A PAD WELL.
	8:30 - 11:00	2.50	COMP	34	H	P		MIRU B&C QUICK TEST & PRESSURE TEST CASING & FRAC VALVES. RDMO B&C QUICK TEST. MIRU CUTTERS TO PERFORATE. PU 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING, PERF 7,782'-86' 4SPF, 7,730'-34' 4SPF, 7,6123'-15' 4SPF, 40 HOLES. SWI SDFWE.
4/26/2010	6:30 - 7:00	0.50	COMP	48		P		HSM. FRACING & PERFORATING ON A PAD WELL.
	8:12 - 8:40	0.47	COMP	36	B	P		MIRU SUPERIOR & CUTTERS. PRESSURE TEST SURFACE EQUIPMENT. STG 1) WHP 800 PSI, BRK 2,883 PSI @ 4.2 BPM, ISIP 1,963 PSI, FG .69. PUMP 100 BBLS @ 48.7 BPM @ 4,000 PSI = 62% HOLES OPEN. MP 4,800 PSI, MR 48.5 BPM, AP 4,350 PSI, AR 47.0 BPM, ISIP 2,159 PSI. FG .71, NPI 196 PSI. PUMP 853 BBLS OF SW & 11,924 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 16,924 LBS.
	9:55 - 10:34	0.65	COMP	36	B	P		STG 2) PU 4 1/2" HALL. CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING & RIH. SET CBP @ 7,496' & PERF 7,464'-66' 4SPF, 7,426'-29' 4SPF, 7,407'-09' 4SPF, 7347'-48' 4SPF, 7,306'-08' 4SPF, 40 HOLES. WHP 685 PSI, BRK 2,345 PSI @ 4.6 BPM, ISIP 2,014 PSI, FG .70. PUMP 100 BBLS @ 48.3 BPM @ 4,300 PSI = 100% HOLES OPEN. MP 6,694 PSI, MR 49.5 BPM, AP 3,898 PSI, AR 48.7 BPM, ISIP 2,290 PSI, FG .74, NPI 276 PSI. PUMP 1,538 BBLS OF SW & 68,851 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 73,851 LBS.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-15I4BS (GREEN)	Spud Conductor: 1/31/2010	Spud Date: 2/8/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-15I PAD	Rig Name No: MILES-GRAY 1/1, LEED 733/733
Event: COMPLETION	Start Date: 4/19/2010	End Date: 5/5/2010
Active Datum: RKB @5,619.00ft (above Mean Sea Leve	UWI: NE/SE/0/10/S/23/E/15/0/0/0/SALT LAKE/S/2194/E/0/359/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	13:12 - 13:30	0.30	COMP	36	B	P		STG 3) PU 4 1/2" HALL. CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING & RIH. SET CBP @ 7,260' & PERF 7,228'-30' 4SPF, 7,207'-10' 4SPF, 7,153'-55' 4SPF, 7,052'-54' 4SPF, 7,017'-18' 4SPF, 40 HOLES. WHP 240 PSI, BRK 2,326 PSI @ 4.6 BPM, ISIP 1,925 PSI, FG .69. PUMP 100 BBLS @ 51 BPM @ 4,298 PSI = 79% HOLES OPEN. MP 5,530 PSI, MR 51.6 BPM, AP 4,833 PSI, AR 50.9 BPM, ISIP 2,267 PSI, FG .73, NPI 342 PSI. PUMP 721 BBLS OF SW & 17,832 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 23,832 LBS.
	16:00 - 16:35	0.58	COMP	36	B	P		STG 4) PU 4 1/2" HALL. CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING & RIH. SET CBP @ 6,986' & PERF 6,954'-56' 4SPF, 6,866'-70' 3SPF, 6,828'-30' 4SPF, 6,790'-92' 3SPF, 6,752'-54' 3SPF, 40 HOLES. WHP 190 PSI, BRK 2,723 PSI @ 4.8 BPM, ISIP 1,752 PSI, FG .67. PUMP 100 BBLS @ 47 BPM @ 4,200 PSI = 100% HOLES OPEN. MP 4,320 PSI, MR 51.7 BPM, AP 2,969 PSI, AR 51.5 BPM, ISIP 1,775 PSI, FG .67, NPI 23 PSI. PUMP 1,422 BBLS OF SW & 53,077 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 58,077 LBS.
	17:00 - 17:30	0.50	COMP	37	C	P		STG 5) PU 4 1/2" HALL. CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING & RIH. SET CBP @ 6,686' & PERF 6,652'-56' 4SPF, 6,626'-28' 3SPF, 6,588'-90' 3SPF, 6,562'-64' 3SPF, 6,526'-28' 3SPF, 40 HOLES. SWI SDFN
4/27/2010	7:00 - 7:30	0.50	COMP	48		P		HSM. FRACING & PERFORATING ON A PAD WELL.
	9:40 - 10:07	0.45	COMP	36	B	P		STG 5) WHP 760 PSI, BRK 2,730 PSI @ 4.7 BPM, ISIP 1,510 PSI, FG .67. PUMP 100 BBLS @ 51 BPM @ 3,940 PSI = 71% HOLES OPEN. MP 4,976 PSI, MR 51.8 BPM, AP 3,718 PSI, AR 51.1 BPM, ISIP 1,530 PSI, FG .67, NPI 20 PSI. PUMP 1,170 BBLS OF SW & 42,295 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 47,295 LBS.
	12:20 - 13:00	0.67	COMP	36	B	P		STG 6) PU 4 1/2" HALL. CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING & RIH. SET CBP @ 6,510' & PERF 6,478'-80' 4SPF, 6,458'-60' 4SPF, 6,412'-18' 4SPF, 40 HOLES. WHP 240 PSI, BRK 3,133 PSI @ 4.7 BPM, ISIP 1,370 PSI, FG .65. PUMP 100 BBLS @ 51.1 BPM @ 3,770 PSI = 76% HOLES OPEN. MP 4,039 PSI, MR 51.8 BPM, AP 3,668 PSI, AR 51.2 BPM, ISIP 1,650 PSI, FG .69, NPI 280 PSI. PUMP 472 BBLS OF SW & 10,325 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 15,325 LBS.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-15I4BS (GREEN)	Spud Conductor: 1/31/2010	Spud Date: 2/8/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-15I PAD	Rig Name No: MILES-GRAY 1/1, LEED 733/733
Event: COMPLETION	Start Date: 4/19/2010	End Date: 5/5/2010
Active Datum: RKB @5,619.00ft (above Mean Sea Leve	UWI: NE/SE/0/10/S/23/E/15/0/0/0/SALT LAKE/S/2194/E/0/359/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	16:20 - 16:51	0.52	COMP	36	B	P		STG 7) PU 4 1/2" HALL. CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING & RIH. SET CBP @ 5,542' & PERF 5,508'-12' 3SPF, 5,452'-56' 3SPF, 5,344'-48' 3SPF, 36 HOLES. WHP 150 PSI, BRK 1,950 PSI @ 4.7 BPM, ISIP 1,270 PSI, FG .67. PUMP 100 BBLS @ 51.4 BPM @ 2,900 PSI = 100% HOLES OPEN. MP 4087 PSI, MR 55.5 BPM, AP 3,372 PSI, AR 53.6 BPM, ISIP 1,480 PSI, FG .71, NPI 210 PSI. PUMP 1,278 BBLS OF SW & 55,591 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 60,591 LBS.
	17:00 - 18:00	1.00	COMP	37	C	P		STG 8) PU 4 1/2" HALL. CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING & RIH. SET CBP @ 4,910' & PERF 4,878'-80' 4SPF, 4,858'-62' 4SPF, 4,750'-54' 4SPF, 40 HOLES. SWI SDFN.
4/28/2010	6:30 - 7:00	0.50	COMP	48		P		HSM. FRAC & SET KILL PLG & RIG DOWN & MOVE OUT.
	7:00 - 7:30	0.50	COMP	36	B	P		STG 8) WHP 780 PSI, BRK 2,615 PSI @ 4.7 BPM, ISIP 680 PSI, FG .58. PUMP 100 BBLS @ 46 BPM @ 3,200 PSI = 56% HOLES OPEN. MP 3,825 PSI, MR 52.2 BPM, AP 3,275 PSI, AR 49.1 BPM, ISIP 1,575 PSI, FG .76, NPI 895 PSI. PUMP 1,364 BBLS OF SW & 60,103 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 65,103 LBS.
	7:30 - 7:45	0.25	COMP	34	I	P		KILLPLG) PU 4 1/2" HALLIBURTON CBP RIH SET PLG @ 4,700'. POOH W / WIRE LINE. RDMO.
5/5/2010	7:00 - 7:30	0.50	COMP	48		P		HSM, CHECKING NEW WELL FOR PSI BEFORE REMOVEING FRAC VALVES.
	7:30 - 10:00	2.50	COMP	30	A	P		RD OFF BON 1023-1512AS, MOVE OVER & RIG UP ND FRAC VALVES, NU WELL HEAD SECTION & BOPS, RU FLOOR & TBG EQUIP.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-15I4BS (GREEN)	Spud Conductor: 1/31/2010	Spud Date: 2/8/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-15I PAD	Rig Name No: MILES-GRAY 1/1, LEED 733/733
Event: COMPLETION	Start Date: 4/19/2010	End Date: 5/5/2010
Active Datum: RKB @5,619.00ft (above Mean Sea Leve	UWI: NE/SE/0/10/S/23/E/15/0/0/0/SALT LAKE/S/2194/E/0/359/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	10:00 - 19:30	9.50	COMP	44	C	P		TALLY & PU 37/8 SEALED BIT, POBS, 1.875 X/N 14 JTS 23/8 L-80 OFF FLOAT TAG UP @ 4690'. RU DRLG EQUIP BROKE CIRC CONVENTIONAL, TEST BOPS TO 3,000# PSI, RIH. C/O 10' SAND TAG 1ST PLUG @ 4700' DRL PLG IN 2 MIN 100# PSI INCREASE RIH. C/O 30' SAND TAG 2ND PLUG @ 4910' DRL PLG IN 3 MIN 100# PSI INCREASE RIH. C/O 30' SAND TAG 3RD PLUG @ 5542' DRL PLG IN 3 MIN 200# PSI INCREASE RIH. C/O 30' SAND TAG 4TH PLUG @ 6492' DRL PLG IN MIN 0# PSI INCREASE RIH. C/O 30' SAND TAG 5TH PLUG @ 6686' DRL PLG IN 2 MIN 0# PSI INCREASE RIH. C/O 30' SAND TAG 6TH PLUG @ 6986' DRL PLG IN 5 MIN 300# PSI INCREASE RIH. C/O 30' SAND TAG 7TH PLUG @ 7260' DRL PLG IN 3 MIN 200# PSI INCREASE RIH. C/O 30' SAND TAG 8TH PLUG @ 7496' DRL PLG IN 4 MIN 400# PSI INCREASE RIH. C/O TO PBTD @ 7960', CIRC CLEAN, RD SWIVEL, L/D 22 JTS. LAND TBG ON 230 JTS L-80. ND BOPS NU WH, PMP OFF BIT, LET WELL SET FOR 30 MIN FOR BIT TO FALL. TURN WELL OVER TO FB CREW, SDFN. KB = 13' WEATHERFORDS 71/16 5K HANGER = .83' 230 JTS 23/8 L-80 = 7250.60' POBS & 1.875 X/N = 2.20' EOT @ 7266.63' TFP = 50 psi SICP = 1250 psi 263 JTS HAULED OUT 230 LANDED 33 TO RETURN TWTR = 9068 BBLS TWR = 900 BBLS TWLTR = 8168 BBLS
5/6/2010	7:00 -		PROD	33	A			7 AM FLBK REPORT: CP 1700#, TP 1325#, 20/64" CK, 58 BWPH, trace SAND, LIGHT GAS TTL BBLS RECOVERED: 1779 BBLS LEFT TO RECOVER: 7289
	10:00 -		PROD	50				WELL TURNED TO SALES @ 1000 HR ON 5/6/10 - 900 MCFS, 1392BWPD, CP 1900#, FTP 1400#, CK 20/64"
5/7/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2075#, TP 1400#, 20/64" CK, 43 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 2986 BBLS LEFT TO RECOVER: 6082
5/8/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2050#, TP 1425#, 20/64" CK, 32 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 3865 BBLS LEFT TO RECOVER: 5203

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-15I4BS (GREEN)	Spud Conductor: 1/31/2010	Spud Date: 2/8/2010	
Project: UTAH-UINTAH	Site: BONANZA 1023-15I PAD		Rig Name No: MILES-GRAY 1/1, LEED 733/733
Event: COMPLETION	Start Date: 4/19/2010		End Date: 5/5/2010
Active Datum: RKB @5,619.00ft (above Mean Sea Leve	UWI: NE/SE/0/10/S/23/E/15/0/0/0/SALT LAKE/S/2194/E/0/359/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/9/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2025#, TP 1450#, 20/64" CK, 19 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 4457 BBLS LEFT TO RECOVER: 4611

Anadarko
Petroleum Corporation

ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)
BONANZA 1023-15I PAD
Bonanza 1023-15I4BS

Bonanza 1023-15I4BS

Design: Bonanza 1023-15I4BS

Standard Survey Report

24 March, 2010

Weatherford®

Anadarko Petroleum Corporation

Project: UINTAH COUNTY, UTAH (nad 27)
Site: BONANZA 1023-15I PAD
Well: Bonanza 1023-15I4BS
Wellbore: Bonanza 1023-15I4BS
Section: SECTION 15 T10S R23E
SHL: 2194 FSL 359 FEL
Design: Bonanza 1023-15I4BS
Latitude: 39° 56' 52.070 N
Longitude: 109° 18' 15.150 W
GL: 5603.00
KB: WELL @ 5617.00ft (Original Well Elev)

Weatherford®

T M

Azimuths to True North
Magnetic North: 11.17°

Magnetic Field
Strength: 52462.0snT
Dip Angle: 65.92°
Date: 3/15/2010
Model: BGGM2009

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
1879.00	1.90	196.06	1877.50	-60.14	-14.87	0.00	0.00	54.38	Start 128.00 hold at 1879.00 MD
2007.00	1.90	196.06	2005.43	-64.22	-16.05	0.00	0.00	58.18	Start DLS 3.00 TFO 36.30
2621.49	20.00	229.26	2606.42	-143.27	-99.18	3.00	36.30	172.63	Start 85.95 hold at 2621.49 MD
2707.44	20.00	229.26	2687.19	-162.45	-121.45	0.00	0.00	201.82	Start Drop -2.00
3707.38	0.00	0.00	3666.95	-275.19	-252.31	2.00	180.00	373.35	Start 4218.05 hold at 3707.38 MD
7925.43	0.00	0.00	7885.00	-275.19	-252.31	0.00	0.00	373.35	TD at 7925.43

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1034.00	1034.48	GREEN RIVER
3942.00	3982.43	WASATCH
6752.00	6792.43	MESAVERDE

CASING DETAILS

TVD	MD	Name	Size
1904.68	1906.20	8 5/8"	8.62

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PBHL	7885.00	-275.19	-252.31	39° 56' 49.350 N	109° 18' 18.390 W	Circle (Radius: 25.00)

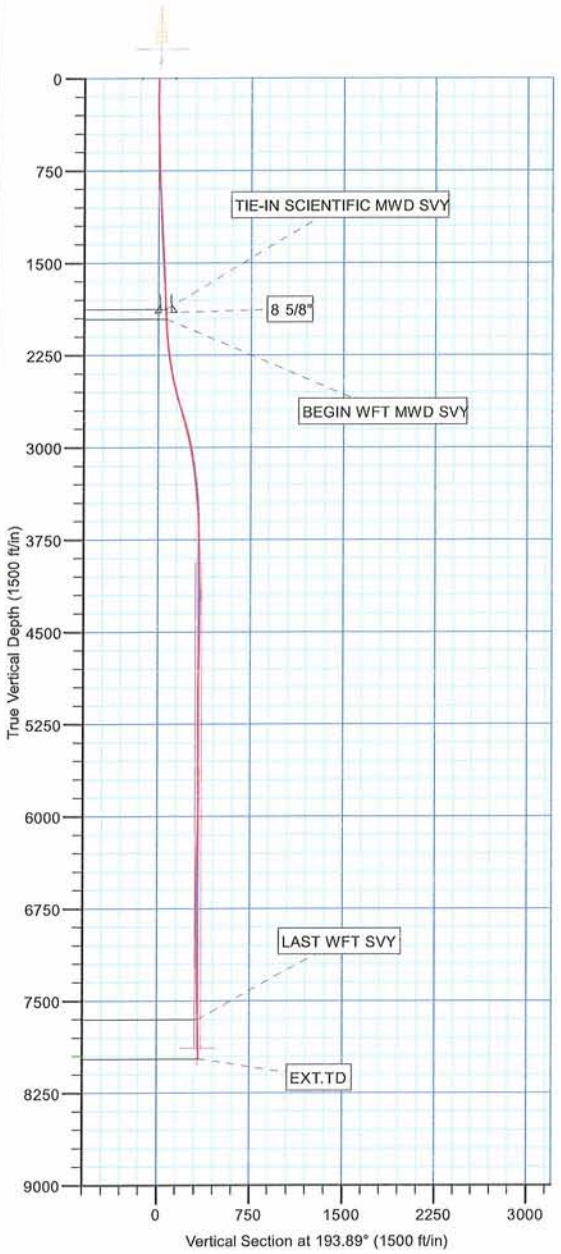
WELL DETAILS: Bonanza 1023-15I4BS

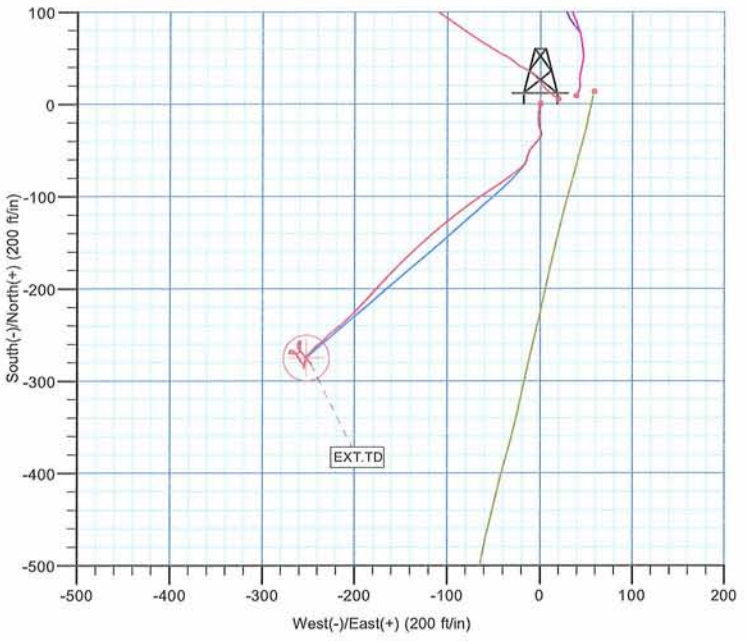
Ground Level: 5603.00

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.00	0.00	14511552.63	2115710.97	39° 56' 52.070 N	109° 18' 15.150 W	

LEGEND

- Bonanza 1023-15P1BS, Bonanza 1023-15P1BS, Bonanza 1023-15P1BS V0
- Bonanza 1023-15I2AS, Bonanza 1023-15I2AS, Bonanza 1023-15I2AS V0
- Bonanza 1023-15H4CS, Bonanza 1023-15H4CS, Bonanza 1023-15H4CS V0
- BONANZA 1023-15H EXISTING, BONANZA 1023-15H EXISTING, BONANZA 1023-15H EXISTING V0
- Bonanza 1023-15P1BS, Bonanza 1023-15P1BS, PLAN #1 1-27-10 RHS V0
- Bonanza 1023-15I4BS, Bonanza 1023-15I4BS, PLAN #1 1-27-10 RHS V0
- Bonanza 1023-15H4CS, Bonanza 1023-15H4CS, PLAN #1 1-27-10 RHS V0
- Bonanza 1023-15I4BS
- WFT MWD SVY





Survey: WFT MWD SVY (Bonanza 1023-15I4BS/Bonanza 1023-15I4BS)

Created By: Robert H. Scott Date: 15:12, March 24 2010

Weatherford International Ltd.

Survey Report

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well Bonanza 1023-15I4BS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Site:	BONANZA 1023-15I PAD	**MD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Well:	Bonanza 1023-15I4BS	**North Reference:**	True
Wellbore:	Bonanza 1023-15I4BS	**Survey Calculation Method:**	Minimum Curvature
Design:	Bonanza 1023-15I4BS	**Database:**	EDM 2003.21 Single User Db

Project UINTAH COUNTY, UTAH (nad 27),

Map System:	Universal Transverse Mercator (US Survey Fee	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 12N (114 W to 108 W)		

Site BONANZA 1023-15I PAD, SECTION 15 T10S R23E

Site Position:		**Northing:**	14,511,552.63 ft	**Latitude:**	39° 56' 52.070 N
From:	Lat/Long	**Easting:**	2,115,710.97 ft	**Longitude:**	109° 18' 15.150 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	1.09 °

Well Bonanza 1023-15I4BS

Well Position	**+N/-S**	0.00 ft	**Northing:**	14,511,552.63 ft	**Latitude:**	39° 56' 52.070 N
	+E/-W	0.00 ft	**Easting:**	2,115,710.97 ft	**Longitude:**	109° 18' 15.150 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,603.00 ft

Wellbore Bonanza 1023-15I4BS

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2009	3/15/2010	11.17	65.92	52,462

Design Bonanza 1023-15I4BS

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.00	0.00	0.00	193.89

Survey Program **Date** 3/24/2010

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
279.00	1,879.00	SCIENTIFIC MWD (Bonanza 1023-15I4BS	MWD	MWD - Standard
1,960.00	8,014.00	WFT MWD SVY (Bonanza 1023-15I4BS)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
279.00	0.26	346.03	279.00	0.61	-0.15	-0.56	0.09	0.09	0.00
369.00	0.66	207.54	369.00	0.35	-0.44	-0.24	0.97	0.44	-153.88
459.00	1.87	186.32	458.97	-1.57	-0.84	1.72	1.42	1.34	-23.58
549.00	1.98	186.04	548.92	-4.57	-1.17	4.72	0.12	0.12	-0.31
639.00	2.30	188.70	638.86	-7.90	-1.61	8.06	0.37	0.36	2.96
729.00	2.59	185.21	728.78	-11.71	-2.06	11.87	0.36	0.32	-3.88
819.00	2.28	177.64	818.70	-15.53	-2.17	15.60	0.50	-0.34	-8.41
909.00	2.50	178.89	908.62	-19.28	-2.06	19.21	0.25	0.24	1.39
999.00	2.13	170.80	998.55	-22.89	-1.76	22.64	0.55	-0.41	-8.99
1,089.00	2.57	157.13	1,088.47	-26.40	-0.71	25.80	0.79	0.49	-15.19
1,179.00	2.52	166.86	1,178.38	-30.19	0.53	29.18	0.48	-0.06	10.81

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well Bonanza 1023-15I4BS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Site:	BONANZA 1023-15I PAD	**MD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Well:	Bonanza 1023-15I4BS	**North Reference:**	True
Wellbore:	Bonanza 1023-15I4BS	**Survey Calculation Method:**	Minimum Curvature
Design:	Bonanza 1023-15I4BS	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,269.00	2.57	195.61	1,268.30	-34.06	0.44	32.96	1.40	0.06	31.94
1,359.00	2.77	211.91	1,358.20	-37.85	-1.26	37.04	0.87	0.22	18.11
1,449.00	3.31	223.07	1,448.07	-41.59	-4.18	41.38	0.89	0.60	12.40
1,539.00	3.57	222.01	1,537.91	-45.57	-7.83	46.12	0.30	0.29	-1.18
1,599.00	3.65	213.86	1,597.79	-48.55	-10.14	49.56	0.86	0.13	-13.58
1,659.00	3.15	208.18	1,657.69	-51.59	-11.99	52.95	1.00	-0.83	-9.47
1,749.00	2.00	194.50	1,747.60	-55.29	-13.55	56.92	1.44	-1.28	-15.20
1,839.00	2.47	195.48	1,837.53	-58.68	-14.46	60.43	0.52	0.52	1.09
TIE-IN SCIENTIFIC MWD SVY									
1,879.00	1.90	196.06	1,877.50	-60.14	-14.87	61.95	1.43	-1.42	1.45
BEGIN WFT MWD SVY									
1,960.00	2.48	197.05	1,958.44	-63.11	-15.76	65.05	0.72	0.72	1.22
2,051.00	4.09	226.95	2,049.29	-67.21	-18.71	69.73	2.53	1.77	32.86
2,141.00	7.08	233.61	2,138.86	-72.69	-25.52	76.69	3.39	3.32	7.40
2,232.00	9.38	232.30	2,228.91	-80.55	-35.90	86.82	2.54	2.53	-1.44
2,323.00	11.88	236.54	2,318.35	-90.25	-49.59	99.52	2.88	2.75	4.66
2,413.00	14.13	234.92	2,406.03	-101.68	-66.31	114.62	2.53	2.50	-1.80
2,504.00	16.44	232.67	2,493.81	-115.87	-85.64	133.04	2.62	2.54	-2.47
2,595.00	18.71	230.36	2,580.56	-132.99	-107.12	154.82	2.61	2.49	-2.54
2,686.00	19.44	226.45	2,666.56	-152.74	-129.34	179.32	1.62	0.80	-4.30
2,776.00	18.50	225.55	2,751.67	-173.06	-150.39	204.10	1.09	-1.04	-1.00
2,867.00	16.25	223.05	2,838.52	-192.48	-169.39	227.51	2.60	-2.47	-2.75
2,958.00	13.19	222.04	2,926.52	-209.49	-185.03	247.79	3.37	-3.36	-1.11
3,048.00	12.06	225.30	3,014.34	-223.73	-198.59	264.87	1.48	-1.26	3.62
3,139.00	10.19	226.92	3,103.63	-235.92	-211.23	279.73	2.08	-2.05	1.78
3,230.00	8.31	231.80	3,193.44	-245.49	-222.28	291.67	2.24	-2.07	5.36
3,320.00	7.19	223.80	3,282.62	-253.57	-231.29	301.68	1.73	-1.24	-8.89
3,411.00	5.88	231.55	3,373.03	-260.58	-238.88	310.31	1.73	-1.44	8.52
3,502.00	5.06	223.17	3,463.62	-266.41	-245.28	317.50	1.26	-0.90	-9.21
3,592.00	3.50	228.17	3,553.36	-271.14	-250.04	323.23	1.78	-1.73	5.56
3,683.00	1.38	196.17	3,644.28	-274.04	-252.42	326.62	2.68	-2.33	-35.16
3,773.00	1.41	200.19	3,734.25	-276.12	-253.10	328.81	0.11	0.03	4.47
3,864.00	1.13	190.30	3,825.23	-278.05	-253.65	330.81	0.39	-0.31	-10.87
3,954.00	1.56	189.55	3,915.21	-280.14	-254.01	332.92	0.48	0.48	-0.83
4,045.00	1.56	181.80	4,006.17	-282.60	-254.25	335.37	0.23	0.00	-8.52
4,136.00	1.56	185.30	4,097.14	-285.07	-254.41	337.80	0.10	0.00	3.85
4,226.00	0.44	204.42	4,187.12	-286.60	-254.66	339.35	1.28	-1.24	21.24
4,317.00	0.69	27.05	4,278.12	-286.43	-254.56	339.16	1.24	0.27	-194.91
4,408.00	2.31	335.30	4,369.09	-284.28	-255.08	337.20	2.15	1.78	-56.87
4,498.00	2.15	329.84	4,459.02	-281.17	-256.68	334.57	0.30	-0.18	-6.07
4,589.00	1.81	325.30	4,549.97	-278.51	-258.36	332.39	0.41	-0.37	-4.99
4,679.00	1.69	324.05	4,639.93	-276.27	-259.95	330.59	0.14	-0.13	-1.39
4,770.00	1.75	335.92	4,730.88	-273.91	-261.30	328.63	0.40	0.07	13.04
4,861.00	1.56	333.17	4,821.85	-271.54	-262.43	326.60	0.23	-0.21	-3.02
4,951.00	1.50	316.67	4,911.81	-269.59	-263.79	325.03	0.49	-0.07	-18.33
5,042.00	1.25	305.37	5,002.79	-268.15	-265.41	324.02	0.40	-0.27	-12.42
5,133.00	1.00	298.42	5,093.77	-267.20	-266.92	323.46	0.31	-0.27	-7.64
5,223.00	0.69	272.55	5,183.76	-266.80	-268.15	323.37	0.54	-0.34	-28.74
5,314.00	0.50	247.17	5,274.76	-266.93	-269.07	323.71	0.35	-0.21	-27.89
5,405.00	0.50	221.80	5,365.75	-267.38	-269.70	324.30	0.24	0.00	-27.88
5,495.00	0.81	207.92	5,455.75	-268.23	-270.26	325.27	0.38	0.34	-15.42
5,586.00	1.04	192.69	5,546.74	-269.61	-270.74	326.72	0.37	0.25	-16.74
5,677.00	1.38	70.42	5,637.73	-270.05	-269.89	326.94	2.34	0.37	-134.36
5,767.00	1.06	100.92	5,727.71	-269.84	-268.05	326.30	0.79	-0.36	33.89

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well Bonanza 1023-15I4BS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Site:	BONANZA 1023-15I PAD	**MD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Well:	Bonanza 1023-15I4BS	**North Reference:**	True
Wellbore:	Bonanza 1023-15I4BS	**Survey Calculation Method:**	Minimum Curvature
Design:	Bonanza 1023-15I4BS	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,858.00	1.06	106.05	5,818.69	-270.23	-266.42	326.29	0.10	0.00	5.64
5,949.00	1.00	100.17	5,909.68	-270.61	-264.82	326.27	0.13	-0.07	-6.46
6,040.00	1.31	105.55	6,000.66	-271.02	-263.04	326.24	0.36	0.34	5.91
6,130.00	1.63	32.30	6,090.63	-270.22	-261.37	325.06	1.97	0.36	-81.39
6,221.00	1.31	44.92	6,181.60	-268.39	-259.94	322.94	0.50	-0.35	13.87
6,311.00	2.38	359.67	6,271.56	-265.79	-259.22	320.25	1.92	1.19	-50.28
6,402.00	1.78	2.39	6,362.50	-262.49	-259.18	317.03	0.67	-0.66	2.99
6,493.00	1.56	8.55	6,453.46	-259.85	-258.93	314.41	0.31	-0.24	6.77
6,583.00	1.25	21.17	6,543.43	-257.73	-258.40	312.22	0.48	-0.34	14.02
6,674.00	1.06	262.17	6,634.43	-256.91	-258.87	311.55	2.19	-0.21	-130.77
6,764.00	0.75	229.42	6,724.41	-257.41	-260.14	312.33	0.66	-0.34	-36.39
6,855.00	0.50	221.30	6,815.41	-258.10	-260.86	313.17	0.29	-0.27	-8.92
6,946.00	0.45	190.37	6,906.41	-258.75	-261.18	313.88	0.28	-0.05	-33.99
7,036.00	1.00	190.05	6,996.40	-259.87	-261.38	315.02	0.61	0.61	-0.36
7,127.00	1.00	179.67	7,087.38	-261.44	-261.52	316.58	0.20	0.00	-11.41
7,218.00	1.19	161.92	7,178.37	-263.14	-261.22	318.15	0.42	0.21	-19.51
7,308.00	1.44	148.42	7,268.34	-264.99	-260.34	319.73	0.44	0.28	-15.00
7,399.00	2.24	143.90	7,359.30	-267.40	-258.69	321.68	0.89	0.88	-4.97
7,490.00	1.94	145.42	7,450.24	-270.10	-256.77	323.84	0.34	-0.33	1.67
7,580.00	1.69	134.05	7,540.19	-272.28	-254.95	325.52	0.49	-0.28	-12.63
7,671.00	1.56	139.92	7,631.16	-274.16	-253.19	326.92	0.23	-0.14	6.45
LAST WFT SVY									
7,694.00	1.51	140.30	7,654.15	-274.63	-252.79	327.29	0.20	-0.20	1.63
7,762.00	1.38	141.55	7,722.13	-275.97	-251.71	328.32	0.20	-0.20	1.85
7,853.00	1.69	144.05	7,813.09	-277.91	-250.24	329.86	0.35	0.34	2.75
7,964.00	1.91	135.36	7,924.04	-280.55	-247.98	331.88	0.32	0.20	-7.83
EXT.TD									
8,014.00	1.91	135.36	7,974.01	-281.74	-246.81	332.75	0.00	0.00	0.00

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,879.00	1,877.50	-60.14	-14.87	TIE-IN SCIENTIFIC MWD SVY
1,960.00	1,958.44	-63.11	-15.76	BEGIN WFT MWD SVY
7,694.00	7,654.15	-274.63	-252.79	LAST WFT SVY
8,014.00	7,974.01	-281.74	-246.81	EXT.TD

Checked By: _____ Approved By: _____ Date: _____

Anadarko
Petroleum Corporation

ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)
BONANZA 1023-15I PAD
Bonanza 1023-15I4BS

Bonanza 1023-15I4BS

Design: Bonanza 1023-15I4BS

Survey Report - Geographic

24 March, 2010

Weatherford®

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well Bonanza 1023-15I4BS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Site:	BONANZA 1023-15I PAD	**MD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Well:	Bonanza 1023-15I4BS	**North Reference:**	True
Wellbore:	Bonanza 1023-15I4BS	**Survey Calculation Method:**	Minimum Curvature
Design:	Bonanza 1023-15I4BS	**Database:**	EDM 2003.21 Single User Db

Project UINTAH COUNTY, UTAH (nad 27),

Map System:	Universal Transverse Mercator (US Survey Fee	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 12N (114 W to 108 W)		

Site BONANZA 1023-15I PAD, SECTION 15 T10S R23E

Site Position:		**Northing:**	14,511,552.63 ft	**Latitude:**	39° 56' 52.070 N
From:	Lat/Long	**Easting:**	2,115,710.97 ft	**Longitude:**	109° 18' 15.150 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	1.09 °

Well Bonanza 1023-15I4BS

Well Position	**+N/-S**	0.00 ft	**Northing:**	14,511,552.63 ft	**Latitude:**	39° 56' 52.070 N
	+E/-W	0.00 ft	**Easting:**	2,115,710.97 ft	**Longitude:**	109° 18' 15.150 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,603.00 ft

Wellbore Bonanza 1023-15I4BS

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2009	3/15/2010	11.17	65.92	52,462

Design Bonanza 1023-15I4BS

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.00	0.00	0.00	193.89

Survey Program **Date** 3/24/2010

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
279.00	1,879.00	SCIENTIFIC MWD (Bonanza 1023-15I4BS	MWD	MWD - Standard
1,960.00	8,014.00	WFT MWD SVY (Bonanza 1023-15I4BS)	MWD	MWD - Standard

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well Bonanza 1023-15I4BS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Site:	BONANZA 1023-15I PAD	**MD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Well:	Bonanza 1023-15I4BS	**North Reference:**	True
Wellbore:	Bonanza 1023-15I4BS	**Survey Calculation Method:**	Minimum Curvature
Design:	Bonanza 1023-15I4BS	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	14,511,552.63	2,115,710.97	39° 56' 52.070 N	109° 18' 15.150 W
279.00	0.26	346.03	279.00	0.61	-0.15	14,511,553.24	2,115,710.81	39° 56' 52.076 N	109° 18' 15.152 W
369.00	0.66	207.54	369.00	0.35	-0.44	14,511,552.97	2,115,710.52	39° 56' 52.073 N	109° 18' 15.156 W
459.00	1.87	186.32	458.97	-1.57	-0.84	14,511,551.05	2,115,710.16	39° 56' 52.055 N	109° 18' 15.161 W
549.00	1.98	186.04	548.92	-4.57	-1.17	14,511,548.04	2,115,709.89	39° 56' 52.025 N	109° 18' 15.165 W
639.00	2.30	188.70	638.86	-7.90	-1.61	14,511,544.70	2,115,709.52	39° 56' 51.992 N	109° 18' 15.171 W
729.00	2.59	185.21	728.78	-11.71	-2.06	14,511,540.88	2,115,709.13	39° 56' 51.954 N	109° 18' 15.176 W
819.00	2.28	177.64	818.70	-15.53	-2.17	14,511,537.06	2,115,709.09	39° 56' 51.917 N	109° 18' 15.178 W
909.00	2.50	178.89	908.62	-19.28	-2.06	14,511,533.32	2,115,709.28	39° 56' 51.879 N	109° 18' 15.176 W
999.00	2.13	170.80	998.55	-22.89	-1.76	14,511,529.71	2,115,709.65	39° 56' 51.844 N	109° 18' 15.173 W
1,089.00	2.57	157.13	1,088.47	-26.40	-0.71	14,511,526.22	2,115,710.77	39° 56' 51.809 N	109° 18' 15.159 W
1,179.00	2.52	166.86	1,178.38	-30.19	0.53	14,511,522.46	2,115,712.08	39° 56' 51.772 N	109° 18' 15.143 W
1,269.00	2.57	195.61	1,268.30	-34.06	0.44	14,511,518.59	2,115,712.06	39° 56' 51.733 N	109° 18' 15.144 W
1,359.00	2.77	211.91	1,358.20	-37.85	-1.26	14,511,514.77	2,115,710.44	39° 56' 51.696 N	109° 18' 15.166 W
1,449.00	3.31	223.07	1,448.07	-41.59	-4.18	14,511,510.97	2,115,707.58	39° 56' 51.659 N	109° 18' 15.204 W
1,539.00	3.57	222.01	1,537.91	-45.57	-7.83	14,511,506.92	2,115,704.01	39° 56' 51.620 N	109° 18' 15.251 W
1,599.00	3.65	213.86	1,597.79	-48.55	-10.14	14,511,503.90	2,115,701.75	39° 56' 51.590 N	109° 18' 15.280 W
1,659.00	3.15	208.18	1,657.69	-51.59	-11.99	14,511,500.83	2,115,699.97	39° 56' 51.560 N	109° 18' 15.304 W
1,749.00	2.00	194.50	1,747.60	-55.29	-13.55	14,511,497.10	2,115,698.48	39° 56' 51.524 N	109° 18' 15.324 W
1,839.00	2.47	195.48	1,837.53	-58.68	-14.46	14,511,493.69	2,115,697.63	39° 56' 51.490 N	109° 18' 15.336 W
TIE-IN SCIENTIFIC MWD SVY									
1,879.00	1.90	196.06	1,877.50	-60.14	-14.87	14,511,492.22	2,115,697.25	39° 56' 51.476 N	109° 18' 15.341 W
BEGIN WFT MWD SVY									
1,960.00	2.48	197.05	1,958.44	-63.11	-15.76	14,511,489.23	2,115,696.42	39° 56' 51.446 N	109° 18' 15.352 W
2,051.00	4.09	226.95	2,049.29	-67.21	-18.71	14,511,485.08	2,115,693.55	39° 56' 51.406 N	109° 18' 15.390 W
2,141.00	7.08	233.61	2,138.86	-72.69	-25.52	14,511,479.47	2,115,686.84	39° 56' 51.352 N	109° 18' 15.478 W
2,232.00	9.38	232.30	2,228.91	-80.55	-35.90	14,511,471.41	2,115,676.61	39° 56' 51.274 N	109° 18' 15.611 W
2,323.00	11.88	236.54	2,318.35	-90.25	-49.59	14,511,461.45	2,115,663.11	39° 56' 51.178 N	109° 18' 15.787 W
2,413.00	14.13	234.92	2,406.03	-101.68	-66.31	14,511,449.71	2,115,646.61	39° 56' 51.065 N	109° 18' 16.001 W
2,504.00	16.44	232.67	2,493.81	-115.87	-85.64	14,511,435.15	2,115,627.55	39° 56' 50.925 N	109° 18' 16.250 W
2,595.00	18.71	230.36	2,580.56	-132.99	-107.12	14,511,417.62	2,115,606.40	39° 56' 50.755 N	109° 18' 16.526 W
2,686.00	19.44	226.45	2,666.56	-152.74	-129.34	14,511,397.46	2,115,584.56	39° 56' 50.560 N	109° 18' 16.811 W
2,776.00	18.50	225.55	2,751.67	-173.06	-150.39	14,511,376.75	2,115,563.90	39° 56' 50.359 N	109° 18' 17.081 W
2,867.00	16.25	223.05	2,838.52	-192.48	-169.39	14,511,356.97	2,115,545.28	39° 56' 50.168 N	109° 18' 17.325 W
2,958.00	13.19	222.04	2,926.52	-209.49	-185.03	14,511,339.66	2,115,529.95	39° 56' 49.999 N	109° 18' 17.526 W
3,048.00	12.06	225.30	3,014.34	-223.73	-198.59	14,511,325.16	2,115,516.67	39° 56' 49.859 N	109° 18' 17.700 W
3,139.00	10.19	226.92	3,103.63	-235.92	-211.23	14,511,312.74	2,115,504.26	39° 56' 49.738 N	109° 18' 17.862 W
3,230.00	8.31	231.80	3,193.44	-245.49	-222.28	14,511,302.96	2,115,493.40	39° 56' 49.644 N	109° 18' 18.004 W
3,320.00	7.19	223.80	3,282.62	-253.57	-231.29	14,511,294.71	2,115,484.55	39° 56' 49.564 N	109° 18' 18.120 W
3,411.00	5.88	231.55	3,373.03	-260.58	-238.88	14,511,287.55	2,115,477.09	39° 56' 49.494 N	109° 18' 18.218 W
3,502.00	5.06	223.17	3,463.62	-266.41	-245.28	14,511,281.61	2,115,470.80	39° 56' 49.437 N	109° 18' 18.300 W
3,592.00	3.50	228.17	3,553.36	-271.14	-250.04	14,511,276.79	2,115,466.13	39° 56' 49.390 N	109° 18' 18.361 W
3,683.00	1.38	196.17	3,644.28	-274.04	-252.42	14,511,273.84	2,115,463.81	39° 56' 49.361 N	109° 18' 18.391 W
3,773.00	1.41	200.19	3,734.25	-276.12	-253.10	14,511,271.75	2,115,463.17	39° 56' 49.341 N	109° 18' 18.400 W
3,864.00	1.13	190.30	3,825.23	-278.05	-253.65	14,511,269.81	2,115,462.66	39° 56' 49.322 N	109° 18' 18.407 W
3,954.00	1.56	189.55	3,915.21	-280.14	-254.01	14,511,267.72	2,115,462.33	39° 56' 49.301 N	109° 18' 18.412 W
4,045.00	1.56	181.80	4,006.17	-282.60	-254.25	14,511,265.25	2,115,462.14	39° 56' 49.277 N	109° 18' 18.415 W
4,136.00	1.56	185.30	4,097.14	-285.07	-254.41	14,511,262.78	2,115,462.03	39° 56' 49.252 N	109° 18' 18.417 W
4,226.00	0.44	204.42	4,187.12	-286.60	-254.66	14,511,261.24	2,115,461.80	39° 56' 49.237 N	109° 18' 18.420 W
4,317.00	0.69	27.05	4,278.12	-286.43	-254.56	14,511,261.41	2,115,461.91	39° 56' 49.239 N	109° 18' 18.419 W
4,408.00	2.31	335.30	4,369.09	-284.28	-255.08	14,511,263.56	2,115,461.35	39° 56' 49.260 N	109° 18' 18.425 W
4,498.00	2.15	329.84	4,459.02	-281.17	-256.68	14,511,266.63	2,115,459.68	39° 56' 49.291 N	109° 18' 18.446 W
4,589.00	1.81	325.30	4,549.97	-278.51	-258.36	14,511,269.26	2,115,457.96	39° 56' 49.317 N	109° 18' 18.468 W
4,679.00	1.69	324.05	4,639.93	-276.27	-259.95	14,511,271.47	2,115,456.33	39° 56' 49.339 N	109° 18' 18.488 W
4,770.00	1.75	335.92	4,730.88	-273.91	-261.30	14,511,273.80	2,115,454.93	39° 56' 49.363 N	109° 18' 18.505 W

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well Bonanza 1023-15I4BS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Site:	BONANZA 1023-15I PAD	**MD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Well:	Bonanza 1023-15I4BS	**North Reference:**	True
Wellbore:	Bonanza 1023-15I4BS	**Survey Calculation Method:**	Minimum Curvature
Design:	Bonanza 1023-15I4BS	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
4,861.00	1.56	333.17	4,821.85	-271.54	-262.43	14,511,276.15	2,115,453.76	39° 56' 49.386 N	109° 18' 18.520 W
4,951.00	1.50	316.67	4,911.81	-269.59	-263.79	14,511,278.08	2,115,452.36	39° 56' 49.405 N	109° 18' 18.537 W
5,042.00	1.25	305.37	5,002.79	-268.15	-265.41	14,511,279.48	2,115,450.70	39° 56' 49.420 N	109° 18' 18.558 W
5,133.00	1.00	298.42	5,093.77	-267.20	-266.92	14,511,280.41	2,115,449.18	39° 56' 49.429 N	109° 18' 18.578 W
5,223.00	0.69	272.55	5,183.76	-266.80	-268.15	14,511,280.78	2,115,447.94	39° 56' 49.433 N	109° 18' 18.593 W
5,314.00	0.50	247.17	5,274.76	-266.93	-269.07	14,511,280.64	2,115,447.03	39° 56' 49.432 N	109° 18' 18.605 W
5,405.00	0.50	221.80	5,365.75	-267.38	-269.70	14,511,280.17	2,115,446.41	39° 56' 49.427 N	109° 18' 18.613 W
5,495.00	0.81	207.92	5,455.75	-268.23	-270.26	14,511,279.31	2,115,445.86	39° 56' 49.419 N	109° 18' 18.620 W
5,586.00	1.04	192.69	5,546.74	-269.61	-270.74	14,511,277.93	2,115,445.41	39° 56' 49.405 N	109° 18' 18.627 W
5,677.00	1.38	70.42	5,637.73	-270.05	-269.89	14,511,277.50	2,115,446.27	39° 56' 49.401 N	109° 18' 18.616 W
5,767.00	1.06	100.92	5,727.71	-269.84	-268.05	14,511,277.74	2,115,448.10	39° 56' 49.403 N	109° 18' 18.592 W
5,858.00	1.06	106.05	5,818.69	-270.23	-266.42	14,511,277.38	2,115,449.74	39° 56' 49.399 N	109° 18' 18.571 W
5,949.00	1.00	100.17	5,909.68	-270.61	-264.82	14,511,277.04	2,115,451.34	39° 56' 49.395 N	109° 18' 18.551 W
6,040.00	1.31	105.55	6,000.66	-271.02	-263.04	14,511,276.66	2,115,453.13	39° 56' 49.391 N	109° 18' 18.528 W
6,130.00	1.63	32.30	6,090.63	-270.22	-261.37	14,511,277.49	2,115,454.79	39° 56' 49.399 N	109° 18' 18.506 W
6,221.00	1.31	44.92	6,181.60	-268.39	-259.94	14,511,279.35	2,115,456.18	39° 56' 49.417 N	109° 18' 18.488 W
6,311.00	2.38	359.67	6,271.56	-265.79	-259.22	14,511,281.96	2,115,456.85	39° 56' 49.443 N	109° 18' 18.479 W
6,402.00	1.78	2.39	6,362.50	-262.49	-259.18	14,511,285.26	2,115,456.83	39° 56' 49.476 N	109° 18' 18.478 W
6,493.00	1.56	8.55	6,453.46	-259.85	-258.93	14,511,287.90	2,115,457.03	39° 56' 49.502 N	109° 18' 18.475 W
6,583.00	1.25	21.17	6,543.43	-257.73	-258.40	14,511,290.04	2,115,457.52	39° 56' 49.523 N	109° 18' 18.468 W
6,674.00	1.06	262.17	6,634.43	-256.91	-258.87	14,511,290.84	2,115,457.03	39° 56' 49.531 N	109° 18' 18.474 W
6,764.00	0.75	229.42	6,724.41	-257.41	-260.14	14,511,290.32	2,115,455.77	39° 56' 49.526 N	109° 18' 18.491 W
6,855.00	0.50	221.30	6,815.41	-258.10	-260.86	14,511,289.62	2,115,455.07	39° 56' 49.519 N	109° 18' 18.500 W
6,946.00	0.45	190.37	6,906.41	-258.75	-261.18	14,511,288.97	2,115,454.75	39° 56' 49.513 N	109° 18' 18.504 W
7,036.00	1.00	190.05	6,996.40	-259.87	-261.38	14,511,287.84	2,115,454.57	39° 56' 49.501 N	109° 18' 18.506 W
7,127.00	1.00	179.67	7,087.38	-261.44	-261.52	14,511,286.26	2,115,454.47	39° 56' 49.486 N	109° 18' 18.508 W
7,218.00	1.19	161.92	7,178.37	-263.14	-261.22	14,511,284.58	2,115,454.80	39° 56' 49.469 N	109° 18' 18.504 W
7,308.00	1.44	148.42	7,268.34	-264.99	-260.34	14,511,282.74	2,115,455.72	39° 56' 49.451 N	109° 18' 18.493 W
7,399.00	2.24	143.90	7,359.30	-267.40	-258.69	14,511,280.36	2,115,457.41	39° 56' 49.427 N	109° 18' 18.472 W
7,490.00	1.94	145.42	7,450.24	-270.10	-256.77	14,511,277.70	2,115,459.38	39° 56' 49.400 N	109° 18' 18.447 W
7,580.00	1.69	134.05	7,540.19	-272.28	-254.95	14,511,275.55	2,115,461.24	39° 56' 49.379 N	109° 18' 18.424 W
7,671.00	1.56	139.92	7,631.16	-274.16	-253.19	14,511,273.71	2,115,463.04	39° 56' 49.360 N	109° 18' 18.401 W
LAST WFT SVY									
7,694.00	1.51	140.30	7,654.15	-274.63	-252.79	14,511,273.24	2,115,463.44	39° 56' 49.355 N	109° 18' 18.396 W
7,762.00	1.38	141.55	7,722.13	-275.97	-251.71	14,511,271.93	2,115,464.55	39° 56' 49.342 N	109° 18' 18.382 W
7,853.00	1.69	144.05	7,813.09	-277.91	-250.24	14,511,270.01	2,115,466.06	39° 56' 49.323 N	109° 18' 18.363 W
7,964.00	1.91	135.36	7,924.04	-280.55	-247.98	14,511,267.41	2,115,468.37	39° 56' 49.297 N	109° 18' 18.334 W
EXT.TD									
8,014.00	1.91	135.36	7,974.01	-281.74	-246.81	14,511,266.25	2,115,469.56	39° 56' 49.285 N	109° 18' 18.319 W

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well Bonanza 1023-15I4BS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Site:	BONANZA 1023-15I PAD	**MD Reference:**	WELL @ 5617.00ft (Original Well Elev)
Well:	Bonanza 1023-15I4BS	**North Reference:**	True
Wellbore:	Bonanza 1023-15I4BS	**Survey Calculation Method:**	Minimum Curvature
Design:	Bonanza 1023-15I4BS	**Database:**	EDM 2003.21 Single User Db

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,879.00	1,877.50	-60.14	-14.87	TIE-IN SCIENTIFIC MWD SVY
1,960.00	1,958.44	-63.11	-15.76	BEGIN WFT MWD SVY
7,694.00	7,654.15	-274.63	-252.79	LAST WFT SVY
8,014.00	7,974.01	-281.74	-246.81	EXT.TD

Checked By: _____ Approved By: _____ Date: _____

API Well No: 43047507430000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-15I4BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047507430000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2194 FSL 0359 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/9/2011	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedures for the proposed repair work on the subject well location.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 03/10/2011

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 3/9/2011

WORKORDER #: 88119299

Name: BONANZA 1023-15I4BS – 1023-15I PAD 3/4/11
Surface Location: NESE SEC.15 T10S, R23E
Uintah County, UT

API: 4304750743 LEASE#: UTU-38427

ELEVATIONS: 5604' GL 5618' KB

TOTAL DEPTH: 8014' PBTD: 7961'

SURFACE CASING: 8 5/8", 28# J-55 @ 1916'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 8004'
TOC @ Surface per CBL

PERFORATIONS: Wasatch 4750' – 5512'
Mesaverde 6412' – 7786'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02173	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.01554
8.625" 28# J-55	8.097	1370	2950	2.6223	0.3505	0.0624
Annular Capacities						
2.375" tbg. X 4 ½" 11.6# csg				0.4227	0.0565	0.01006

GEOLOGICAL TOPS:

946' Green River
1189' Bird's Nest
1781' Mahogany
4003' Wasatch
5750' Mesaverde

BONANZA 1023-15I4BS – WELLHEAD REPLACEMENT PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.

2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.

3. Open casing valve and record pressures.

4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.

5. Open the relief valve and blow well down to the atmosphere.

6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.

7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.

2. Kill well with 10# brine / KCL (dictated by well pressure).

3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.

4. Pooh w/ tubing.

5. Rig up wireline service. RIH and set CBP @ ~4700'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service.

6. Remove BOP and ND WH.

7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.

2. POOH, LD cutters and casing.

3. PU 1 joint of 3 ½" IF drill pipe with 4 ½" right hand standard grapple overshot. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to +/- 7000 ft-lbs, count number of turns to make-up, and document in the daily report. Release overshot, POOH, and lay down.

4. PU & RIH w/ 4 ½" 10k external casing patch on 4 ½" I-80 or P-110 casing.

5. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 7,000# / 9,000# psi.

6. Install C-22 slips. Land casing w/ 80,000# tension.

7. Cut-off and dress 4 ½" casing stub.

8. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~4650'. Clean out to PBTD (7961').

9. POOH, land tbg and pump off POBS.

10. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.

2. POOH, LD cutters and casing.

3. PU 4 ½" overshot. RIH, latch fish. Pick string weight to neutral.

4. MIRU wireline services. RIH and shoot string shot at casing collar @ 46'.

5. MIRU casing crew.

6. Back-off casing, POOH.

7. PU new casing joint w/ entry guide and RIH. Tag casing top. Thread into casing and torque up to +/- 7000 ft-lbs, count number of additional turns to make-up, and document in the daily report.

8. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 7,000# / 9,000# psi.

9. Install C-22 slips. Land casing w/ 80,000# tension.

10. Cut-off and dress 4 ½" casing stub.

11. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~4650'. Clean out to PBTD (7961').

12. POOH, land tbg and pump off POBS.

13. NUWH, RDMO. Turn well over to production ops.

Logan High Pressure Casing Patches
Assembly Procedure

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type “L” Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.

2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type “L” Packers.

3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.

4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.

5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.

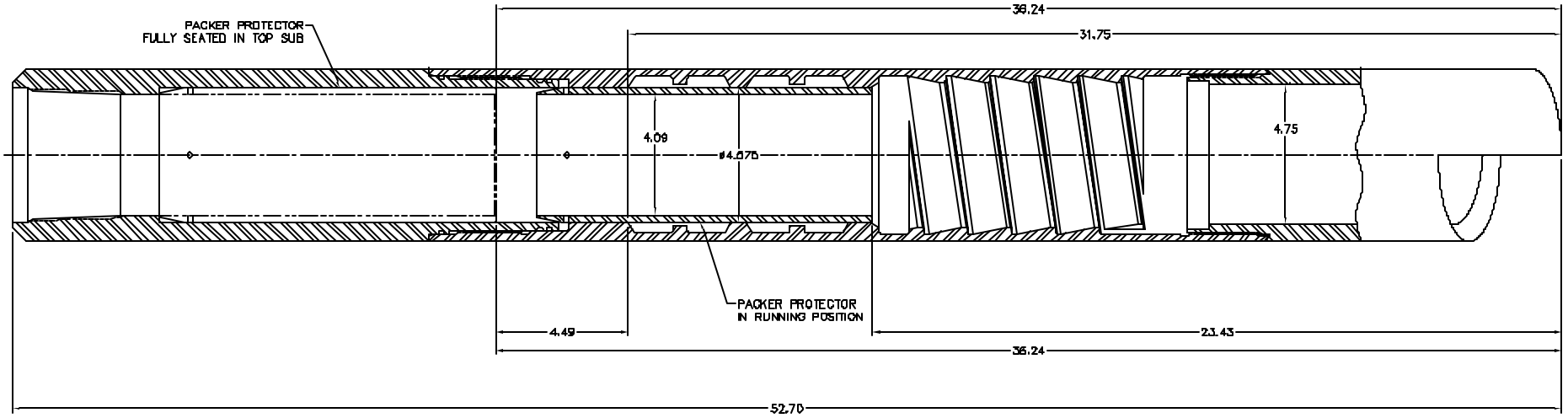
6. Install the Cutlipped Guide into the lower end of the Bowl.

7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.

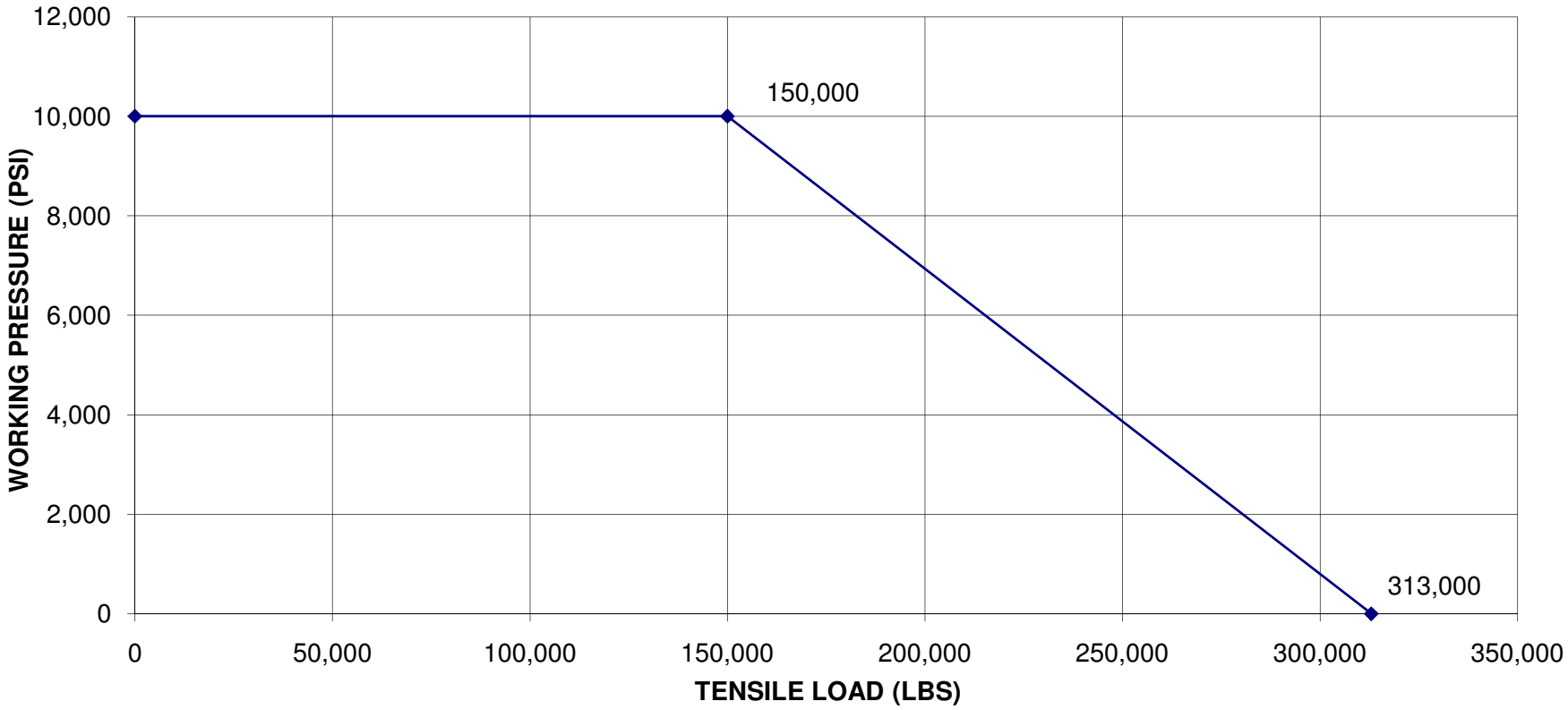
8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.

510L-005-001 4-1/2" LOGAN HP CASING PATCH



STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-15I4BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047507430000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2194 FSL 0359 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 5/9/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Wellhead Repair

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator has concluded wellhead/casing repairs on the subject well location. Please see the attached chronological history for details of the operations.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 5/9/2011

RECEIVED May. 09, 2011

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-15I4BS (GREEN)	Spud Conductor: 1/31/2010	Spud Date: 2/8/2010	
Project: UTAH-UINTAH	Site: BONANZA 1023-15I PAD		Rig Name No: LEED 698/698
Event: WELL WORK EXPENSE	Start Date: 3/29/2011		End Date: 3/31/2011
Active Datum: DFE @0.00ft (above Mean Sea Level)	UWI: NE/SE/0/10/S/23/E/15/0/0/0/SALT LAKE/S/2194/E/0/359/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/21/2011	7:00 -		PROD	35	G	P		Travel to location rig up went in with G1 tool stacked o at 7253 beat down latch on plunger came out had a bypass viper plunger went back in latch on spring hit o jars 8 times nothing beat down hit oil jars 8 more times nothing beat and hit oil jars for 20mins broke loose came out jdc was sheared repin jdc rig down travel to next location.LEFT PLUNGER OUT FOR WORKOVER. FLUID LEVEL 5600SEAT NIPPLE DEPTH 7253 SN TYPE X TD (Max Depth) 7253 JOB DETAILS SPRING AND/OR PRODUTION TOOL DETAIL Spring Out None Spring In Used-Titanium Stuck Spring Yes, stuck but able to latch on Corrosion on Spring No Bailed Acid No Broken Spring No Scale on Spring No Production Tools None Depth of Tool Other Hardware None PLUNGER DETAIL Stuck Plunger Yes, stuck but able to latch on Corrosion on Plunger No Broken Plunger No Scale on Plunger No SOLIDS DETAIL Tight Spots None Severity of Trash Light Solid sample to turn in Yes Solid Sample Source Tubing Speculated Type of Solid Iron Sulfide Speculated Depth of Solid LOST SLICKLINE TOOLS Slickline Tools Lost No Depth of Tool
3/29/2011	14:00 - 14:30	0.50	ALL	30	G	P		MOVE RIG F/ BONANZA 1023-15I2AS TO BONANZA 1023-15I4BS.
	14:30 - 15:00	0.50	ALL	48		P		HSM, REVIEW BUMPER STRING IN TBG.
	15:00 - 15:40	0.67	ALL	30	A	P		MIRU,
	15:40 - 16:00	0.33	ALL	47	A	P		SICP. 650 PSI. SITP. 650 PSI. BLEW TBG DWN, CONTROL TBG W/ 10 BBLS, ND WH, NU BOPS, RU FLOOR & TBG EQUIPMENT.
	16:00 - 17:30	1.50	ALL	31	I	P		UNLAND TBG HANGER, POOH 140 JTS. 2-3/8 L-80 TBG, EOT @ 2721' W/ 86 JTS. IN WELL, WELL ON SALES, SDFN.
3/30/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW WIRELINE SAFETY.
	7:30 - 8:00	0.50	ALL	31	I	P		BLEW TBG DWN, CONTROL TBG W/ 10 BBLS, FINISH POOH PROD TBG, CONTROL CSG W/ 35 BBLS.
	8:00 - 8:45	0.75	ALL	34	I	P		RU CUTTERS WIRELINE SERV. RIH BAKER 4-1/2 10K CBP & SET @ 4700', POOH TOOLS.
	8:45 - 10:15	1.50	ALL	34	D	P		RIH W/ DUMP BAIL 4 SXS CLSS "G" CMT ON TOP OF PLUG, (MADE 2 RUNS) POOH TOOLS, RD CUTTERS WIRELINE SERV.
	10:15 - 10:45	0.50	ALL	47	A	P		FILL 4-1/2 CSG W/ T-MAC, RD FLOOR & TBG EQUIPMENT, ND BOPS. NU PWR SWVL,

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-15I4BS (GREEN)	Spud Conductor: 1/31/2010		Spud Date: 2/8/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-15I PAD		Rig Name No: LEED 698/698
Event: WELL WORK EXPENSE	Start Date: 3/29/2011		End Date: 3/31/2011
Active Datum: DFE @0.00ft (above Mean Sea Level)	UWI: NE/SE/0/10/S/23/E/15/0/0/0/SALT LAKE/S/2194/E/0/359/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	10:45 - 14:30	3.75	ALL	31	B	P		PU INTERNAL CSG CUTTER & RIH CUT 4-1/2 CSG @ 2.5' F/ SURFACE, MADE SECOND CUT CHANGE OUT CUTTING KNIFES, POOH LD CSG CUTTER, PU 4-1/2 OVERSHOT, RIH LATCH ON FISH, PICK-UP STRING WEIGHT, RU WIRELINE, RIH & SHOOT CSG COLLAR TWICE, TRY TO BACK-OFF CSG COLLLAR, UNSUCCESSFUL, POOH OVERSHOT & INSTALL NEW GRAPPLE, RIH W/ 4-1/2 OVERSHOT, LATCH ON FISH, BACK-OFF CSG, POOH, PU 10' PUP JNT, TAG CSG TOP,THREAD INTO CSG,TORQUE CSG TO 7000# W/ 21 REVOLUTIONS, PU 100,000# TENSION.
	14:30 - 16:10	1.67	ALL	33	C	P		RU B&C QUICK TEST, P.T. 4-1/2 CSG TO 1000 PSI. FOR 15 MINS, HELD, P.T. 4-1/2 CSG TO 3500 PSI. FOR 15 MINS, HELD, P.T. 4-1/2 CSG TO 7000 PSI. LOST 50 PSI. IN 30 MINS, DUE TO AIR BUBBLES, NO COMMUNICATION W/ 4-1/2 CSG & SURFACE CSG RD B&C QUCK TEST.
	16:10 - 17:15	1.08	ALL	47	C	P		INSTALL C-21 SLIPS, LAND CSG W/ 85,000# IN TENSION, CUT-OFF & DRESS 4-1/2 CSG STUB, INSTALLED 11.5 X 4-1/2 FLANGE & SPOOL,
	17:15 - 17:30	0.25	ALL	47	A	P		NU CSG HEAD & BOPS, RU FLOOR & TBG EQUIPMENT, SWI, SDFN.
3/31/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, AIR FOAM UNIT.
	7:30 - 9:30	2.00	ALL	31	I	P		PU 3-7/8 MILL, BIT SUB, RIH 148 JTS. 2-3/8 L-80 TBG, TAG CMT @ 4660'
	9:30 - 10:00	0.50	ALL	47	A	P		RU PWR SWVL, RU AIR FOAM UNIT, INSTALLED TSF.
	10:00 - 10:30	0.50	ALL	31	H	P		BROKE CIRC IN 15 MINS
	10:30 - 11:00	0.50	ALL	44	A	P		D/O CMT F/ 4660' TO 4700', D/O CBP IN 6 MINS, HAD 120 PSI. INCREASE, FELL THROUGH, RD PWR SWVL.
	11:00 - 11:20	0.33	ALL	31	I	P		POOH TBG TO REMOVE TSF, RIH TBG, TAG FILL @ 7880', RU PWR SWVL, INSTALL TSF.
	11:20 - 17:00	5.67	ALL	31	N	P		BROKE CIRC IN 30 MINS, C/O F 7880' TO 7955' TAG OLD POBS, CIRC HOLE 30 MINS, RD PWR SWVL, POOH LD 3 JTS. REMOVE TSF, DROP BALL, PUMP BIT OFF W/ 10 BBLS & 900 PSI., RD AIR FOAM UNIT, POOH & LD 19 JTS. ON TRAILER, LAND TBG HANGER, RU SWAB EQUIPMENT & BROACH TBG W 1.9 BROACH TO SN, GOOD, RD SWAB EQUIPMENT, RD FLOOR & TBG EQUIPMENT, ND BOPS, NU WH, RDMO. MOVE TO NBU 921-26J2AS. TBG DETAIL KB----------13' HANGER----------.83" 230 JTS. 2-3/8 L-80 TBG @----------7250.60' POBS, XN 1.875----------2.20' EOT @----------7266.63' WLTR. 50 BBLS. TOP PERF @ 4750' BTM PERF @ 7786' NEW PBTD @ 7955'

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6029

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
See Atchmt	See Atchmt						
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
	99999	18519				5/1/2012	

Comments: Please see attachment with list of Wells in the Ponderosa Unit. 5/30/2012
lwsmvd

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED
MAY 21 2012
Div. of Oil, Gas & Mining

Cara Mahler
Name (Please Print)

Signature

REGULATORY ANALYST
Title

5/21/2012
Date

(5/2000)

well_name	sec	twp	rng	api	entity		lease	well	stat	qtr_qtr	bhl	surf	zone	a_stat	l_num	op_no
SOUTHMAN CANYON 31-3	31	090S	230E	4304734726	13717		1	GW	P	SENW		1	WSMVD	P	U-33433	N2995
SOUTHMAN CANYON 31-4	31	090S	230E	4304734727	13742		1	GW	S	SESW		1	WSMVD	S	UTU-33433	N2995
SOUTHMAN CYN 31-2X (RIG SKID)	31	090S	230E	4304734898	13755		1	GW	P	NWNW		1	WSMVD	P	U-33433	N2995
SOUTHMAN CYN 923-31J	31	090S	230E	4304735149	13994		1	GW	P	NWSE		1	MVRD	P	U-33433	N2995
SOUTHMAN CYN 923-31B	31	090S	230E	4304735150	13953		1	GW	P	NWNE		1	MVRD	P	U-33433	N2995
SOUTHMAN CYN 923-31P	31	090S	230E	4304735288	14037		1	GW	P	SESE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31H	31	090S	230E	4304735336	14157		1	GW	P	SENE		1	WSMVD	P	U-33433	N2995
SOUTHMAN CYN 923-31O	31	090S	230E	4304737205	16827		1	GW	P	SWSE		1	MVRD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31K	31	090S	230E	4304737206	16503		1	GW	P	NESW		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31G	31	090S	230E	4304737208	16313		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31E	31	090S	230E	4304737209	16521		1	GW	P	SWNW		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31A	31	090S	230E	4304737210	16472		1	GW	P	NENE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31C	31	090S	230E	4304737227	16522		1	GW	P	NENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-1G	01	100S	230E	4304735512	14458		1	GW	P	SWNE		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1A	01	100S	230E	4304735717	14526		1	GW	P	NENE		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1E	01	100S	230E	4304735745	14524		1	GW	P	SWNW		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1C	01	100S	230E	4304735754	14684		1	GW	P	NENW		1	MVRD	P	U-40736	N2995
BONANZA 1023-1K	01	100S	230E	4304735755	15403		1	GW	P	NESW		1	MVRD	P	U-38423	N2995
BONANZA 1023-1F	01	100S	230E	4304737379	16872		1	GW	P	SENW		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1B	01	100S	230E	4304737380	16733		1	GW	P	NWNE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1D	01	100S	230E	4304737381	16873		1	GW	P	NWNW		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1H	01	100S	230E	4304737430	16901		1	GW	P	SENE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1L	01	100S	230E	4304738300	16735		1	GW	P	NWSW		1	MVRD	P	UTU-38423	N2995
BONANZA 1023-1J	01	100S	230E	4304738302	16871		1	GW	P	NWSE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1I	01	100S	230E	4304738810	16750		1	GW	P	NESE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-2E	02	100S	230E	4304735345	14085		3	GW	P	SWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2C	02	100S	230E	4304735346	14084		3	GW	P	NENW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2A	02	100S	230E	4304735347	14068		3	GW	P	NENE		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2G	02	100S	230E	4304735661	14291		3	GW	P	SWNE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2O	02	100S	230E	4304735662	14289		3	GW	P	SWSE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2I	02	100S	230E	4304735663	14290		3	GW	S	NESE		3	WSMVD	S	ML-47062	N2995
BONANZA 1023-2MX	02	100S	230E	4304736092	14730		3	GW	P	SWSW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2H	02	100S	230E	4304737093	16004		3	GW	P	SENE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2D	02	100S	230E	4304737094	15460		3	GW	P	NWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2B	02	100S	230E	4304737095	15783		3	GW	P	NWNE		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2P	02	100S	230E	4304737223	15970		3	GW	P	SESE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2N	02	100S	230E	4304737224	15887		3	GW	P	SESW		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2L	02	100S	230E	4304737225	15833		3	GW	P	NWSW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2F	02	100S	230E	4304737226	15386		3	GW	P	SENW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2D-4	02	100S	230E	4304738761	16033		3	GW	P	NWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2O-1	02	100S	230E	4304738762	16013		3	GW	P	SWSE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2H3CS	02	100S	230E	4304750344	17426		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G3BS	02	100S	230E	4304750345	17428		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G2CS	02	100S	230E	4304750346	17429		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G1BS	02	100S	230E	4304750347	17427		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995

BONANZA 1023-2M1S	02	100S	230E	4304750379	17443		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2L2S	02	100S	230E	4304750380	17444		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2K4S	02	100S	230E	4304750381	17446		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2K1S	02	100S	230E	4304750382	17445		3	GW	P	SENW	D	3	WSMVD	P	ML 47062	N2995
BONANZA 4-6 *	04	100S	230E	4304734751	13841		1	GW	P	NESW		1	MNCS	P	UTU-33433	N2995
BONANZA 1023-4A	04	100S	230E	4304735360	14261		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4E	04	100S	230E	4304735392	14155		1	GW	P	SWNW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4C	04	100S	230E	4304735437	14252		1	GW	P	NENW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4M	04	100S	230E	4304735629	14930		1	GW	P	SWSW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4O	04	100S	230E	4304735688	15111		1	GW	P	SWSE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4I	04	100S	230E	4304735689	14446		1	GW	P	NESE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4G	04	100S	230E	4304735746	14445		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4D	04	100S	230E	4304737315	16352		1	GW	P	NWNW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4H	04	100S	230E	4304737317	16318		1	GW	P	SENE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4B	04	100S	230E	4304737328	16351		1	GW	P	NWNE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4L	04	100S	230E	4304738211	16393		1	GW	P	NWSW		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4P	04	100S	230E	4304738212	16442		1	GW	P	SESE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4N	04	100S	230E	4304738303	16395		1	GW	P	SESW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4FX (RIGSKID)	04	100S	230E	4304739918	16356		1	GW	P	SENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5O	05	100S	230E	4304735438	14297		1	GW	P	SWSE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-5AX (RIGSKID)	05	100S	230E	4304735809	14243		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-5C	05	100S	230E	4304736176	14729		1	GW	P	NENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5G	05	100S	230E	4304736177	14700		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5M	05	100S	230E	4304736178	14699		1	GW	P	SWSW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5K	05	100S	230E	4304736741	15922		1	GW	P	NESW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5B	05	100S	230E	4304737318	16904		1	GW	P	NWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5E	05	100S	230E	4304737319	16824		1	GW	P	SWNW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5H	05	100S	230E	4304737320	16793		1	GW	P	SENE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5N	05	100S	230E	4304737321	16732		1	GW	P	SESW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5L	05	100S	230E	4304737322	16825		1	GW	P	NWSW		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-5J	05	100S	230E	4304737428	17055		1	GW	P	NWSE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5P	05	100S	230E	4304738213	16795		1	GW	P	SESE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-5N-1	05	100S	230E	4304738911	17060		1	GW	P	SESW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5PS	05	100S	230E	4304750169	17323		1	GW	P	NESE	D	1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5G2AS	05	100S	230E	4304750486	17459		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G2CS	05	100S	230E	4304750487	17462		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G3BS	05	100S	230E	4304750488	17461		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G3CS	05	100S	230E	4304750489	17460		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5N4AS	05	100S	230E	4304752080	18484		1	GW	DRL	SWSW	D	1	WSMVD	DRL	UTU73450	N2995
BONANZA 1023-8C2DS	05	100S	230E	4304752081	18507		1	GW	DRL	SWSW	D	1	WSMVD	DRL	UTU37355	N2995
BONANZA 6-2	06	100S	230E	4304734843	13796		1	GW	TA	NESW		1	WSMVD	TA	UTU-38419	N2995
BONANZA 1023-6C	06	100S	230E	4304735153	13951		1	GW	P	NENW		1	MVRD	P	U-38419	N2995
BONANZA 1023-6E	06	100S	230E	4304735358	14170		1	GW	P	SWNW		1	MVRD	P	U-38419	N2995
BONANZA 1023-6M	06	100S	230E	4304735359	14233		1	GW	P	SWSW		1	WSMVD	P	U-38419	N2995
BONANZA 1023-6G	06	100S	230E	4304735439	14221		1	GW	P	SWNE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6O	06	100S	230E	4304735630	14425		1	GW	TA	SWSE		1	WSMVD	TA	U-38419	N2995

* not moved in unit

BONANZA 1023-6A	06	100S	230E	4304736067	14775		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-6N	06	100S	230E	4304737211	15672		1	GW	P	SESW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6L	06	100S	230E	4304737212	15673		1	GW	P	NWSW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6J	06	100S	230E	4304737213	15620		1	GW	P	NWSE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6F	06	100S	230E	4304737214	15576		1	GW	TA	SENW		1	WSMVD	TA	UTU-38419	N2995
BONANZA 1023-6P	06	100S	230E	4304737323	16794		1	GW	P	SESE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6H	06	100S	230E	4304737324	16798		1	GW	S	SENE		1	WSMVD	S	UTU-33433	N2995
BONANZA 1023-6D	06	100S	230E	4304737429	17020		1	GW	P	NWNW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6B	06	100S	230E	4304740398	18291		1	GW	P	NWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-6M1BS	06	100S	230E	4304750452	17578		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N1AS	06	100S	230E	4304750453	17581		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N1CS	06	100S	230E	4304750454	17580		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N4BS	06	100S	230E	4304750455	17579		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6I2S	06	100S	230E	4304750457	17790		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6I4S	06	100S	230E	4304750458	17792		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6J3S	06	100S	230E	4304750459	17791		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6P1S	06	100S	230E	4304750460	17793		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6A2CS	06	100S	230E	4304751430	18292		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6B4BS	06	100S	230E	4304751431	18293		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6B4CS	06	100S	230E	4304751432	18294		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6C4BS	06	100S	230E	4304751449	18318		1	GW	P	NENW	D	1	WSMVD	P	UTU38419	N2995
BONANZA 1023-6D1DS	06	100S	230E	4304751451	18316		1	GW	P	NENW	D	1	WSMVD	P	UTU38419	N2995
FLAT MESA FEDERAL 2-7	07	100S	230E	4304730545	18244		1	GW	S	NENW		1	WSMVD	S	U-38420	N2995
BONANZA 1023-7B	07	100S	230E	4304735172	13943		1	GW	P	NWNE		1	MVRD	P	U-38420	N2995
BONANZA 1023-7L	07	100S	230E	4304735289	14054		1	GW	P	NWSW		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7D	07	100S	230E	4304735393	14171		1	GW	P	NWNW		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7P	07	100S	230E	4304735510	14296		1	GW	P	SESE		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7H	07	100S	230E	4304736742	15921		1	GW	P	SENE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7NX (RIGSKID)	07	100S	230E	4304736932	15923		1	GW	P	SESW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7M	07	100S	230E	4304737215	16715		1	GW	P	SWSW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7K	07	100S	230E	4304737216	16714		1	GW	P	NESW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7E	07	100S	230E	4304737217	16870		1	GW	P	SWNW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7G	07	100S	230E	4304737326	16765		1	GW	P	SWNE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7A	07	100S	230E	4304737327	16796		1	GW	P	NENE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7O	07	100S	230E	4304738304	16713		1	GW	P	SWSE		1	MVRD	P	UTU-38420	N2995
BONANZA 1023-7B-3	07	100S	230E	4304738912	17016		1	GW	P	NWNE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-07JT	07	100S	230E	4304739390	16869		1	GW	P	NWSE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7J2AS	07	100S	230E	4304750474	17494		1	GW	P	NWSE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7J2DS	07	100S	230E	4304750475	17495		1	GW	P	NWSE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7L3DS	07	100S	230E	4304750476	17939		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7M2AS	07	100S	230E	4304750477	17942		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7N2AS	07	100S	230E	4304750478	17940		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7N2DS	07	100S	230E	4304750479	17941		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7O4S	07	100S	230E	4304750480	17918		1	GW	P	SESE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7P2S	07	100S	230E	4304750482	17919		1	GW	P	SESE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 8-2	08	100S	230E	4304734087	13851		1	GW	P	SESE		1	MVRD	P	U-37355	N2995

BONANZA 8-3	08	100S	230E	4304734770	13843	1	GW	P	NWNW		1	MVRD	P	U-37355	N2995
BONANZA 1023-8A	08	100S	230E	4304735718	14932	1	GW	P	NENE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8L	08	100S	230E	4304735719	14876	1	GW	P	NWSW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8N	08	100S	230E	4304735720	15104	1	GW	P	SESW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8F	08	100S	230E	4304735989	14877	1	GW	S	SENW		1	WSMVD	S	UTU-37355	N2995
BONANZA 1023-8I	08	100S	230E	4304738215	16358	1	GW	P	NESE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8K	08	100S	230E	4304738216	16354	1	GW	P	NESW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8M	08	100S	230E	4304738217	16564	1	GW	P	SWSW		1	MVRD	P	UTU-37355	N2995
BONANZA 1023-8G	08	100S	230E	4304738218	16903	1	GW	P	SWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8E	08	100S	230E	4304738219	16397	1	GW	P	SWNW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8C	08	100S	230E	4304738220	16355	1	GW	P	NENW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8B	08	100S	230E	4304738221	16292	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8H	08	100S	230E	4304738222	16353	1	GW	P	SENE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8O	08	100S	230E	4304738305	16392	1	GW	P	SWSE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8B-4	08	100S	230E	4304738914	17019	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8A1DS	08	100S	230E	4304750481	17518	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8A4BS	08	100S	230E	4304750483	17519	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B1AS	08	100S	230E	4304750484	17520	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B2AS	08	100S	230E	4304750485	17521	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O2S	08	100S	230E	4304750495	17511	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J1S	08	100S	230E	4304750496	17509	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O3S	08	100S	230E	4304750497	17512	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J3	08	100S	230E	4304750498	17510	1	GW	P	NWSE		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8C4CS	08	100S	230E	4304750499	17544	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8D2DS	08	100S	230E	4304750500	17546	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8D3DS	08	100S	230E	4304750501	17545	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F3DS	08	100S	230E	4304750502	17543	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8A4CS	08	100S	230E	4304751131	18169	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B3BS	08	100S	230E	4304751132	18167	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8C1AS	08	100S	230E	4304751133	18166	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8G3AS	08	100S	230E	4304751134	18168	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8E2AS	08	100S	230E	4304751135	18227	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F3BS	08	100S	230E	4304751136	18227	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F4AS	08	100S	230E	4304751137	18224	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F4DS	08	100S	230E	4304751138	18225	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J2CS	08	100S	230E	4304751139	18226	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8G4DS	08	100S	230E	4304751140	18144	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H2DS	08	100S	230E	4304751141	18142	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H3DS	08	100S	230E	4304751142	18143	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H4DS	08	100S	230E	4304751143	18141	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8I4BS	08	100S	230E	4304751144	18155	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J4BS	08	100S	230E	4304751145	18154	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P1AS	08	100S	230E	4304751146	18156	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P2BS	08	100S	230E	4304751147	18153	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P4AS	08	100S	230E	4304751148	18157	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8E2DS	08	100S	230E	4304751149	18201	1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995

BONANZA 1023-8E3DS	08	100S	230E	4304751150	18200		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8K1CS	08	100S	230E	4304751151	18199		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8K4CS	08	100S	230E	4304751152	18198		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8L3DS	08	100S	230E	4304751153	18197		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8M2AS	08	100S	230E	4304751154	18217		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8M2DS	08	100S	230E	4304751155	18216		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8N2BS	08	100S	230E	4304751156	18218		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O3CS	08	100S	230E	4304751157	18254		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8N3DS	08	100S	230E	4304751158	18215		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O4AS	08	100S	230E	4304751159	18252		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P2CS	08	100S	230E	4304751160	18251		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P3CS	08	100S	230E	4304751161	18253		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
CANYON FEDERAL 2-9	09	100S	230E	4304731504	1468		1	GW	P	NENW		1	MVRD	P	U-37355	N2995
SOUTHMAN CANYON 9-3-M	09	100S	230E	4304732540	11767		1	GW	S	SWSW		1	MVRD	S	UTU-37355	N2995
SOUTHMAN CANYON 9-4-J	09	100S	230E	4304732541	11685		1	GW	S	NWSE		1	MVRD	S	UTU-37355	N2995
BONANZA 9-6	09	100S	230E	4304734771	13852		1	GW	P	NWNE		1	MVRD	P	U-37355	N2995
BONANZA 9-5	09	100S	230E	4304734866	13892		1	GW	P	SESW		1	MVRD	P	U-37355	N2995
BONANZA 1023-9E	09	100S	230E	4304735620	14931		1	GW	P	SWNW		1	WSMVD	P	U-37355	N2995
BONANZA 1023-9I	09	100S	230E	4304738223	16766		1	GW	P	NESE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9D	09	100S	230E	4304738306	16398		1	GW	P	NWNW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9J	09	100S	230E	4304738811	16989		1	GW	P	NWSE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9B3BS	09	100S	230E	4304750503	17965		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9B3CS	09	100S	230E	4304750504	17968		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9H2BS	09	100S	230E	4304750505	17966		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9H2CS	09	100S	230E	4304750506	17967		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 10-2	10	100S	230E	4304734704	13782		1	GW	P	NWNW		1	MVRD	P	U-72028	N2995
BONANZA 1023-10L	10	100S	230E	4304735660	15164		1	GW	P	NWSW		1	WSMVD	P	U-38261	N2995
BONANZA 1023-10E	10	100S	230E	4304738224	16501		1	GW	P	SWNW		1	MVRD	P	UTU-72028	N2995
BONANZA 1023-10C	10	100S	230E	4304738228	16500		1	GW	P	NENW		1	MVRD	P	UTU-72028	N2995
BONANZA 1023-10C-4	10	100S	230E	4304738915	17015		1	GW	P	NENW		1	MVRD	P	UTU-72028	N2995
BONANZA 11-2 ✯	11	100S	230E	4304734773	13768		1	GW	P	SWNW		1	MVMCS	P	UTU-38425	N2995
BONANZA 1023-11K	11	100S	230E	4304735631	15132		1	GW	P	NESW		1	WSMVD	P	UTU-38425	N2995
BONANZA 1023-11B	11	100S	230E	4304738230	16764		1	GW	P	NWNE		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11F	11	100S	230E	4304738232	16797		1	GW	P	SENW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11D	11	100S	230E	4304738233	16711		1	GW	P	NWNW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11G	11	100S	230E	4304738235	16826		1	GW	P	SWNE		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11C	11	100S	230E	4304738309	16736		1	GW	P	NENW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11J	11	100S	230E	4304738310	16839		1	GW	P	NWSE		1	WSMVD	P	UTU-38424	N2995
BONANZA 1023-11N	11	100S	230E	4304738311	16646		1	GW	P	SESW		1	MVRD	P	UTU-38424	N2995
BONANZA 1023-11M	11	100S	230E	4304738312	16687		1	GW	P	SWSW		1	MVRD	P	UTU-38424	N2995
BONANZA 1023-11L	11	100S	230E	4304738812	16987		1	GW	P	NWSW		1	WSMVD	P	UTU-38424	N2995
NSO FEDERAL 1-12	12	100S	230E	4304730560	1480		1	GW	P	NENW		1	MVRD	P	UTU-38423	N2995
WHITE RIVER 1-14	14	100S	230E	4304730481	1500		1	GW	S	NENW		1	MVRD	S	U-38427	N2995
BONANZA 1023-14D	14	100S	230E	4304737030	16799		1	GW	P	NWNW		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-14C	14	100S	230E	4304738299	16623		1	GW	P	NENW		1	MVRD	P	UTU-38427	N2995
BONANZA FEDERAL 3-15	15	100S	230E	4304731278	8406		1	GW	P	NENW		1	MVRD	P	U-38428	N2995

✯ not moved into unit

BONANZA 1023-15H	15	100S	230E	4304738316	16688	1	GW	P	SENE		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-15J	15	100S	230E	4304738817	16988	1	GW	P	NWSE		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-15H4CS	15	100S	230E	4304750741	17492	1	GW	P	NESE	D	1	MVRD	P	UTU 38427	N2995
BONANZA 1023-15I2AS	15	100S	230E	4304750742	17493	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
BONANZA 1023-15I4BS	15	100S	230E	4304750743	17490	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
BONANZA 1023-15P1BS	15	100S	230E	4304750744	17491	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
LOOKOUT POINT STATE 1-16	16	100S	230E	4304730544	1495	3	GW	P	NESE		3	WSMVD	P	ML-22186-A	N2995
BONANZA 1023-16J	16	100S	230E	4304737092	15987	3	GW	OPS	NWSE		3	WSMVD	OPS	ML-22186-A	N2995
BONANZA 1023-17B	17	100S	230E	4304735747	15165	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-17C	17	100S	230E	4304738237	16585	1	GW	P	NENW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-17D3S	17	100S	230E	4304750511	17943	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E2S	17	100S	230E	4304750512	17944	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E3AS	17	100S	230E	4304750513	17945	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E3CS	17	100S	230E	4304750514	17946	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-18G	18	100S	230E	4304735621	14410	1	GW	P	SWNE		1	WSMVD	P	U-38241	N2995
BONANZA 1023-18B	18	100S	230E	4304735721	14395	1	GW	P	NWNE		1	WSMVD	P	U-38421	N2995
BONANZA 1023-18DX (RIGSKID)	18	100S	230E	4304736218	14668	1	GW	P	NWNW		1	WSMVD	P	U-38241	N2995
BONANZA 1023-18A	18	100S	230E	4304738243	16625	1	GW	P	NENE		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18F	18	100S	230E	4304738244	16624	1	GW	P	SENW		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18E	18	100S	230E	4304738245	16645	1	GW	P	SWNW		1	MVRD	P	UTU-38421	N2995
BONANZA 1023-18C	18	100S	230E	4304738246	16734	1	GW	P	NENW		1	MVRD	P	UTU-38421	N2995
BONANZA 1023-18G-1	18	100S	230E	4304738916	17135	1	GW	P	SWNE		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18D3AS	18	100S	230E	4304750448	17498	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18D3DS	18	100S	230E	4304750449	17499	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18E2DS	18	100S	230E	4304750450	17497	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18E3AS	18	100S	230E	4304750451	17496	1	GW	P	SENW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18L2S	18	100S	230E	4304750520	18111	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18L3S	18	100S	230E	4304750521	18110	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18K3AS	18	100S	230E	4304751061	18112	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18K3BS	18	100S	230E	4304751063	18113	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18M2AS	18	100S	230E	4304751064	18117	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18M2DS	18	100S	230E	4304751065	18116	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18N2AS	18	100S	230E	4304751066	18114	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18N2DS	18	100S	230E	4304751067	18115	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-10F	10	100S	230E	4304738225	16565		GW	P	SENW			MVRD	P	UTU 72028	N2995
BONANZA 1023-6D1AS	6	100S	230E	4304751450	18320		GW	P	NENW	D		WSMVD	P	UTU 38419	N2995
BONANZA 1023-6C1CS	6	100S	230E	4304751448	18319		GW		NENW	D				UTU 38419	N2995
BONANZA 1023-6D3AS	6	100S	230E	4304751452	18317		GW	P	NENW	D		WSMVD	P	UTU 38419	N2995

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 38427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-15I4BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047507430000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6100

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2194 FSL 0359 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 15 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 1/29/2014	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: Production Enhancement

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator conducted the following workover/wellbore cleanout on the subject well on 1/29/2014. Please see the attached chronological well history for details. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
February 20, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Teena Paulo	720 929-6236	Staff Regulatory Specialist
SIGNATURE		**DATE**
N/A		2/20/2014

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-15I4BS (GREEN)	Spud Conductor: 1/31/2010	Spud Date: 2/8/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-15I PAD	Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3
Event: WELL WORK EXPENSE	Start Date: 1/27/2014	End Date: 1/29/2014
Active Datum: RKB @5,619.00usft (above Mean Sea Level)	UWI: NE/SE/0/10/S/23/E/15/0/0/0/SALT LAKE/S/2194/E/0/359/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
1/27/2014	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA
	7:15 - 12:00	4.75	MAINT	30	A	P		ROAD RIG FROM BONANZA 1023-5D2DS TO BONANZA 1023-15I4BS, MIRU, 590# SICP, BLOW WELL DN TO TNK, ND WH, NU BOP'S, RU FLOOR & TBG EQUIP
	12:00 - 17:00	5.00	MAINT	31	I	P		UNLAND TBG, TIH W/ 19 JTS TBG, TAG FILL @ 7853' 67' BELOW BTM PERF, MIRU SCAN TECH, TOOH & SCAN 2-3/8" TBG, LD 62 JTS DUE TO PITTING & WALL LOSS, TBG HAD LIGHT EXTERNAL SCALE FROM JOINT 156 TO 208, HEAVY EXTERNAL SCALE FROM JOINT 209 TO 230, JTS 211 & 223 HAD HOLES, RD SCAN TECH, DRAIN PUMP & LINES, SHUT & LOCK RAMS, SDFN
1/28/2014	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA
	7:15 - 10:15	3.00	MAINT	31	I	P		95# FCP, CONTROL WELL W/ 15 BBLS T-MAC, P/U 3-7/8" SHOE, TIH W/ 2-3/8" TBG, TAG FILL @ 6608'
	10:15 - 15:00	4.75	MAINT	44	D	P		MIRU TECH FOAM, ESTB CIRC IN 45 MINS, C/O FROM 6608' TO 6830' & FELL THROUGH, P/U TBG & TIH, TAG FILL @ 7369', C/O TO 7900' (114' BELOW BTM PERF), CIRC WELL CLEAN, RD TECH FOAM
	15:00 - 17:00	2.00	MAINT	31	I	P		TOOH W/ TBG & LD 20 JTS ON TRAILER, STAND BACK 65 STANDS IN DERRICK, DRAIN PUMP & LINES, SDFN
1/29/2014	7:00 - 7:15	0.25	MAINT	48		P		HSM, JSA
	7:15 - 8:00	0.75	MAINT	31	I	P		570# SICP, CONTROL WELL W/ 25 BBLS T-MAC, FINISH TOOH W/ 2-3/8" TBG, LD SHOE
	8:00 - 10:30	2.50	MAINT	31	I	P		M/U LSN, TIH W/ 230 JTS 2-3/8" TBG, BROACH TBG W/ 1.910 BROACH TO LSN, LAND TBG ON HANGER
	10:30 - 12:00	1.50	MAINT	30	C	P		ND BOP'S, NU WH, RDMO KB 13' HANGER .83' 230 JTS 2-3/8" L-80 TBG 7262.45' LSN .69' EOT @ 7276.97' TWLTR 70 BBLS